

Cagers lead the league

— See page 12.

Midnight menagerie

— See page 11.



San Francisco State

PHOENIX

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The Award-Winning Student Newspaper

Thursday, Feb. 9, 1984

Get-rich-quick jobs make students pay

By Ingrid Becker

Nancy Nicholson was angry. The SF State senior said she was misled by an ad she found on a campus bulletin board, which promised full and part-time jobs at \$5-\$10 an hour.

Last December, in response to the ad, she interviewed with CWE Industries, an independent distributing company for household goods. She called the number printed on the bright yellow card, which revealed only the salary, and was told the job was to fill orders. But, at the interview she learned the job was actually door-to-door sales of kitchen knives, on a commission only basis.

"For two hours we listened to a sales pitch about a set of \$460 knives. I just crumpled up my application and walked out."

"MAKE MONEY!"; "EARN \$100 a week at home"; "100 part-time and full-time jobs now!"

Inviting ads such as these, including CWE's ad cards, "Opera-

tion Jobs," are prominently posted on bulletin boards throughout campus. They are designed to appeal to students seeking work compatible with their hectic school schedules.

A Phoenix investigation found that some of the too-good-to-be-true jobs are, in fact, based on commission sales that only payoff with persistent door-to-door efforts. Sometimes a student must pay cash for demonstration kits or a "reservation fee." CWE Industries is one company whose misleading ads cover SF State hallways.

An applicant at CWE Industries is not informed of these advance payments until during an actual interview with the company. Prior to the interview, an applicant is instructed to bring \$20 cash when he or she comes in. One CWE Industries secretary described the jobs advertised only as "sales and service position(s)."

Applicants soon find out, though, that in order to make money

through CWE Industries, one has to spend money — \$60 in advance. Once hired, employees are required to pay \$10 a week toward the purchase of a \$400 demonstration kit.

CWE Industries, which employs 10 people, is located at 29th and Mission streets. Upstairs beyond a grey, obscurely marked door are the barren offices. A lone desk sat outside a room where six men and one woman were assembled for a group interview.

Forty minutes into the interview, the applicants still wondered exactly what the job was as Dan Cohen, a distributor for CWE, carried on with his well-practiced monologue while demonstrating a set of knives.

Cohen, a young, slightly nervous man dressed in a business suit, asked the interviewees to participate in the demonstration and produced samples of rope and leather to cut.

Working as independents, he said, sales representatives are expected to demonstrate the knives in homes and receive a commission based on the number of demonstrations and sales. Cohen said he makes \$300 a week working part-time.

The applicants listened but decided to leave when Cohen asked them to sign a reservation form for a 21-hour "free training session," which called for a \$20 reservation and security fee and \$40 in advance

See Envelope, Page 9.

Making bucks

Now that you've found a place to live and know of all the best places to eat on and off campus, how do you pay for such luxuries? Turn to pages 6 and 7 for the third of a three-part series on student survival: jobs.

- The Peace Corps — education and beyond, pg. 7
- What can Uncle Sam offer you? pg. 6
- Be a bureaucrat for the summer, pg. 6
- You think you've got the worst job, pg. 6

Directors wary of affirmative action overhaul

By John Moses

The Educational Opportunity Program, Affirmative Action and Disabled Services Program could become different branches of one department under a state-imposed plan to restructure and streamline all affirmative action programs on California State University campuses.

The plan, mandated in Governor Deukmejian's 1983-84 budget, would eliminate the duplication of services by these programs and force them to work closer together than ever before. It has raised fears among program directors throughout the CSU system that programs aimed at keeping minority and disadvantaged students in school may be gutted.

The office of Chancellor W. Ann Reynolds directed all 19 CSU campuses to form committees to evaluate the affected programs according to "the effectiveness of their existing services," with an eye on areas where one program might du-

plicate another. The Chancellor will examine all committee recommendations and will also require an annual report from each university detailing the progress of these programs.

The SF State committee formed for this purpose has until March 1 to make recommendations to Vice Provost for Educational Support Services Henry A. Gardner. The committee is made up of one-third students, two-thirds faculty and program directors, the highest ratio of student participation in the system.

Committee Chair Arthur Lathan, Affirmative Action coordinator, said the intent of the restructuring is to tighten up the programs and make them run more smoothly.

Lathan said he does not think staff cuts will be necessary to eliminate duplication of services, but said the plan could still hurt students if it is done badly. "We'll just have to see what the end product looks like," he said. "Frankly, I wish we had more time."

Associated Students President Derek Gilliam agreed the streamlining could hurt students in these programs, but said he is glad "many of the committee members feel the sensitivity involved in this issue."

Gilliam said his role on the committee will in large part be to make sure the programs are not damaged, a fear he said looms large in the minds of many disadvantaged stu-

dents.

"Many feel this could be the first step toward that," he said. "I feel that it could be." Gilliam said he hopes to "further sensitize the committee to the concerns of students who feel this way."

The other student seats on the committee will be filled by people both inside and outside the AS legislative and governing bodies, he said.

In contrast to the wide-scale student participation in the SF State committee is Hayward State, where the committee is still being formed. Hayward's EOP Director Charles Ratliff said he expects a student delegation "of about two."

Affirmative action programs on the Hayward campus have started

See EOP, Page 10.

Resolution to award 'exceptionals'

By Mark Lachman

Against heavy criticism, the Academic Senate passed a resolution Tuesday opening the way for distribution of the Exceptional Merit Service Award. At least one faculty member from every school will receive the controversial \$1,500 award.

Claiming that the award goes against the University's spirit of equality, critics ridiculed the measure. They say competition

among faculty members will turn the academic process into a beauty contest.

"This is a derisive and unproductive measure which serves no useful purpose," said Jules Tygiel, professor of history. But Tygiel reluctantly joined the Senate's unanimous approval, saying there was no alternative. The merit award is required by the faculty collective bargaining agreement, a contract which serves as the faculty's blueprint of employment conditions.

Opponents are concerned not only about academic equality, but also that \$855,000 has been skimmed off the salary budget of the California State University system. If not for the award, this money would be equally divided among all CSU faculty.

"Whether we like or dislike the way the system (of distribution) works is beside the point," said SF State President Chia-Wei Woo. "Funds are available. If we don't

See Award, Page 9.

Was she martyred or exploited?

By Pamela Wilson

Two men who have been involved with the Karen Silkwood case for years will speak at 1 p.m. today in the Barbary Coast.

Rob Hager, attorney for the Silkwood Fund, has worked on the case since 1979. Steve Wodka, formerly an investigator for the Oil, Chemical and Atomic Workers Union, was waiting to meet Silkwood the night she died in a car accident. The two men will discuss recent developments in the case and its impact on the nuclear industry.

Karen Silkwood, a lab technician at a nuclear fuel rod plant before her death in 1974, has recently become widely known by the movie

"Silkwood."

In a phone interview last week, Hager said the movie has had an impact in terms of "name recognition and dramatizing the issues involved." Because of the movie, "a lot of people are now going to know about the Karen Silkwood case," Hager said.

A review of what has been written about the Silkwood case since her death uncovers a boggling maze of unlikely characters and unexplained events. Many of the facts surrounding Silkwood's death are still in dispute.

Opinions line up along pro- and anti-nuclear lines. To anti-nuclear activists, Silkwood was a crusader and has become a martyr. To nu-

clear defenders, she was a tragic woman whose life is now being exploited by anti-nuke "causists."

A skeletal outline of the events that preceded Silkwood's death is known. In 1972, Silkwood became a lab technician at Kerr-McGee Corp.'s plutonium fuel rod plant near Oklahoma City. Soon after her arrival, Silkwood joined the Oil, Chemical and Atomic workers union and two years later was elected an officer in her local.

Silkwood became increasingly concerned with what she judged to be unsafe practices at the fuel rod plant. She alleged that plutonium rods produced at the plant might be defective, saying company employees routinely altered quality as-

urance records. Silkwood also charged that health and safety codes were being violated, causing workers to be exposed to radiation.

After her death, an investigation by the Atomic Energy Commission (since renamed the Nuclear Regulatory Commission) revealed that since 1970 there had been 17 safety lapses at the plant, resulting in the radioactive contamination of 73 employees. Silkwood herself was contaminated in July and November of 1974.

The second contamination has never been explained. For three days Silkwood showed excessive levels of radiation exposure on monitors and

See Silkwood, Page 9.

Faculty tinkers with GE

By Phillip Alan Epps

The Committee on General Education presented the Academic Senate with a new set of G.E. requirements last Tuesday that, if approved, would remove cluster designations, reduce GE Committee members and simplify basic core classes to an understandable level.

The clusters — general, overlapping categories — have postponed the graduation of some students and frustrated many others attempting to understand their General Education requirements. The new standards, if passed by the Academic Senate and President Woo, would be implemented by Spring 1985.

The changes directly affecting new students entering in the coming years are dramatic. The new program would cut by two units the total number of required GE units and reduce the number of classes offered. While the existing "Segment I: Basic Subjects," to be called "Level I: Skills," would not change substantially, the second and third groups face fundamental revisions.

"Segment II: Arts and Sciences Core," which would be renamed "Level II: Foundations," now requires from nine to 12 units each in Behavioral and Social Sciences and the Humanities and Creative Arts areas. The new program would require only nine units. The statutory requirement of American history and government would remain three units.

The Segment II course distinctions of "American Ethnic Heritage" and "Lifelong Development" would be integrated into the new third group, "Level III: Perspectives," and reorganized into

See Requirements, Page 9.

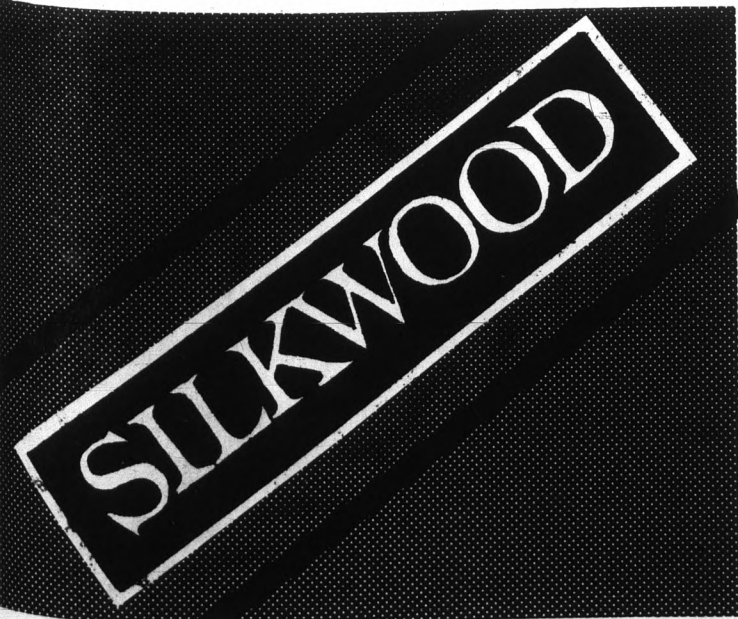
Inside

• Foreign students contribute \$175 million to the Bay Area's economy, p. 2

• Four-woman band rocks on Valentine's Day, p. 11

• The men's swim team won its first meet in eight years last November and is beginning a winning tradition, p. 13

• Associated Students President Derek Gilliam will be unable to deliver his campaign promises for discount Muni passes for SF State students and a proposed book loan program, p. 3



Campus Capsules

Racism suit filed

SAN JOSE — The San Jose State University Police Department has been charged with racial discrimination in a civil suit filed by a black employee.

The employee, Jerry Warmley, with the department 11 years as a parking garage supervisor and a mechanic, said he was the target of racist remarks and was treated differently from white employees, reported the San Jose State University newspaper, The Daily Spartan.

"The way they treated me over there — that was racism," said Warmley. He said the department tried to "intimidate and harass" him.

Warmley said problems arose in 1972 when he ticketed the cars of Police Chief Ernest Quinton and other members of the force.

Rats in the vats

LOS ANGELES — Rats develop drinking problems that parallel their human counterparts, said Gaylord Ellison, psychology professor at the University of California at Los Angeles.

The UCLA study placed the rats in an environment comparable to human society, said a University of California news service.

The rat colony featured a recreational arena sporting ramps, climbing ropes, ledges and activity wheels. Next to the arena was a "cocktail lounge" with six drinking spouts, half offering water, the other half an anise-flavored 10 percent alcohol solution.

Ellison's study showed that a majority of the rats wet their whistles occasionally, while about 9 percent became alcohol dependent, roughly the same percentage of humans who become problem drinkers. Ellison hopes his rat studies will help unearth the roots of human alcoholism.

The alcoholic rats showed symptoms like those of "alcoholic humans: They ate less, spent more time in their burrows, preferred drinking in the morning and "ranked low in dominance and social status."

When denied alcohol, the dependent rats became hyperactive, "suggesting symptoms of withdrawal," said the report. Autopsies revealed extensive brain and liver damage.

One question never answered in the study is whether the rats became socially inept because of their drinking habits, or drank due to their social inferiority.

Learning to drink

SANTA BARBARA — At the University of California, at Santa Barbara, many students are drinking 'til their cup runneth dry, then going back for refills, reported the

campus newspaper, The Daily Nexus.

According to a survey conducted by Peter Claydon, director of the Alcohol and Drug Awareness program at the UCSB Student Health Center, 20 to 30 percent of the students surveyed were alcoholic.

"Students haven't learned how to drink in an intelligent fashion," said Claydon.

The survey found that the alcoholics seem to have a pair of common denominators: a high tolerance for alcohol and a family history of alcoholism.

Aside from the usual hangovers, the health center has treated students for a variety of alcohol-related problems, ranging from upset stomachs to liver ailments, said Claydon.

"Any all-male environment exacerbates drinking problems due to tradition," said Claydon.

The residence halls have tried to sober students to the seriousness of alcoholism on campus by establishing TEQUILA (Team to Educate and Question Undergraduates and Increase Liquor Awareness).

Middle of the road

PALO ALTO — A survey conducted at Stanford University shows that most freshmen walk the white line down the road of politics.

According to a survey by the Stanford Academic Information center, a majority of the freshmen consider themselves politically middle-of-the-road. Some 42 percent of the women and 37.5 percent of the men were found to be politically moderate, said the Stanford University news service.

Politically, the gender gap at Stanford has widened with the frosh women leaning toward the left and the men toward the right. In the survey, 38.2 percent of the women said they were liberal while 19 percent called themselves conservative. In comparison, 28.3 percent of the men signed in as liberal while 30.9 percent said they were conservative.

Videogame drain

SAN DIEGO — The plug has been pulled on the video game craze that swept the nation in the last 10 years, said a video game arcade owner at San Diego State University.

A combination of boredom and home computers are cited as reasons for the video game decline, reported SDSU's newspaper, The Daily Aztec.

"Nationally, video game usage has dropped off 40 percent in the last year," said Barry Long, supervising manager of the Red and Black Bowl.

"In 1980 we were looking at about \$40,000 dollars a year profit from video games," said Long. "This year we're expecting about \$25,000."

Foreign students have a golden touch

By Tim Donohue

Nearly 15,000 foreign students, attending 35 Bay Area colleges, have produced an economic boon to local economies by spending approximately \$175 million a year on tuition, shelter, food and consumer goods, according to a 1983 report by Bay Area and the World, a private research organization.

The report added that foreign student enrollment in the Bay Area may double by the year 2000 and further supplement local universities that are unable to fill classrooms because of an anticipated drop in California resident enrollment.

The New York Institute of International Education stated in a 1983 report that foreign students attending American universities are likely to become a significant force in economic, educational, political and social terms in this country by the year 2000.

There are 987 foreign students enrolled at SF State including 183 from Indonesia, 119 from Iran, 95 from Hong Kong, 80 from the

Peoples Republic of China and 78 from Taiwan.

The administration limits the number of foreign students that attend SF State by imposing a strict application deadline, said Pam Higgins, interim assistant administrative officer.

"This university is a public supported institution and should be reserved mainly for the residents of California," she said.

Higgins said that private universities, which charge more for tuition, are more interested in recruiting foreign students than the California State University system.

The University of San Francisco, a private Jesuit university, admits 32 percent of its full-time enrollment from foreign nations. Lincoln University, a private university in downtown San Francisco with a student body of nearly 400, has a 70 percent foreign enrollment.

Higgins said that should enrollment significantly drop in the CSU system, it would be likely that the CSU Board of Trustees would begin actively recruiting

foreign students.

The Bay Area and the World Report said many Californians are fearful that "foreign students represent a drain on increasingly scarce higher education resources in the Bay Area."

But "it is rare for a qualified California student to be turned away because a foreign student was admitted," the report stated, adding that educating foreign students significantly supplements a university's economic resources.

Foreign students pay \$108 per unit plus the semester fee of \$345 and contribute \$16,152 in tuition to SF State to earn a four year degree. California residents who enroll as freshmen at SF State and pay \$345 a semester in fees, contribute \$2,760.

Assistant Accounting Officer Rusty Prospero estimated that foreign students attending SF State paid nearly \$2 million in non-resident fees last semester.

"Foreign students are filling a capacity (primarily in private institutions) that was built up in the booming 1960s and cannot now

be filled with American students," the report said.

Admitting qualified foreign students to Bay Area universities "means that a greater range of academic programs can be maintained for all students, faculty jobs can be preserved, and in some cases a college can survive rather than fail," the report stated.

Engineering, business and computer science majors attract the largest number of foreign students to local colleges.

Asghar Nowrouz, a native of Afghanistan and a senior in journalism, said that some foreign students choose an education in the United States because it is an opportunity to travel.

He said that foreign employers value an American degree because it represents a fluency in English and a broader international background.

Nowrouz added that certain degrees earned in the student's home nation, such as political science, social science and literature are valued higher than American degrees.

Vent design to prevent flooding

By Michael Taslitz

The ventilation system in the darkroom at the Audio Visual Center is being redesigned to prevent another flood similar to the one on Jan. 2.

According to Dave Howard, director of Plant Operations, two new fans and a baffle are being installed in the ventilation conduit connecting the darkroom and an adjacent utility room. This will increase the air circulating from the darkroom while not allowing bad air to flow in.

The fans will push air out of the conduit. The baffle is an angled piece of metal which will be inside the conduit and prevents air from flowing into the darkroom.

The darkroom was flooded during the semester break when Plant

Operations engineers turned back on the campus heating system after its holiday shutdown. A faulty steam valve stuck open allowing steam into the darkroom and setting off the emergency sprinkler system. The result was two inches of hot water covering 80 percent of the Center's floor.

The modifications will not allow steam to flow into the darkroom. Instead, it will be forced into the library exhaust system.

Howard said that in two weeks when repairs are completed, the darkroom will be as good as new. Repairs, totalling \$5,000, include a new sink and cabinets, new tiles on the ceiling and floor, and a new paint job.

The repairs are taking longer than expected because crews are allowed into the darkroom only three days a

week, to leave Tuesday and Thursday free for television production by the staff.

Frank Moakley, director of the Center, is assuming a wait-and-see attitude toward the reliability of the rest of the equipment dampened during the flood.

Moakley said it is impossible to know how much water is inside a piece of equipment until it breaks down. A time-base corrector, which copies videotapes, was cleaned and dried out. But when the machine was turned on, "water was leaking out of it," Moakley said.

"We called anybody with (experience in) steam damage, including the U.S. Coast Guard," Moakley said, in an attempt to surmise the long-range effects of water damage on equipment.

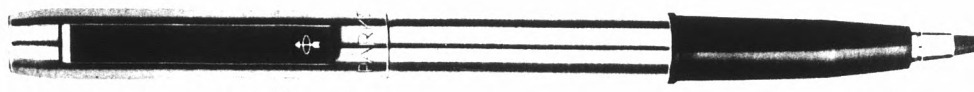
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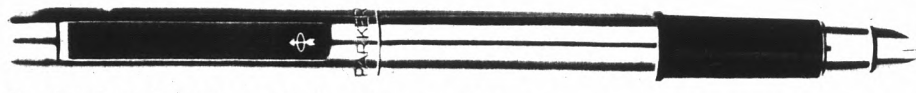
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Gilliam unable to deliver on bus pass, book loan vows

By Russell Mayer

Two of the eight campaign promises made by Associated Students President Derek Gilliam last spring will not be fulfilled during his administration.

The promises of Gilliam's Action in Demand slate were discount Muni passes for SF State students and a proposed book loan program. A third campaign promise, the opening of communications with the Department of Public Safety regarding the question of safety on campus has been marginally carried out.

The Gilliam administration wanted to open these lines of communication in order to offer suggestions on making the campus safer. Proposed safety programs, according to AS speaker Cliff Stewart, include: two well lighted thoroughfares through campus, one running north-south and the other east-west, and replacing campus lighting with brighter mercury lights.

According to Stewart, obstacles preventing these improvements to campus safety are current lawsuits

against DPS by women who have been assaulted on campus. "It puts DPS in a real sticky situation," Stewart said. "In a courtroom it puts them in a position of guilt."

DPS Sgt. Kim Wible denies these allegations, "That's absolutely not true," she said.

Associated Students hopes to step up progress on the safety programs with a campus walk-thru. Stewart encourages students and anyone else to join them on this safety walk and help point out the problem areas. The time and date of the walk-thru are to be announced.

Gilliam cited Muni's current problems as one of the reasons the Muni discount passes did not come to term.

"One of the obstacles that we are facing is the problems that Muni is going through right now in terms of the money that has come up missing," he said, referring to the rash of thefts lately by Muni's own employees.

"Another thing that we have to contend with too is you can't look at something like a Muni discount pass as affecting just SF State students. We would have to be talk-

ing about City College students and USF students."

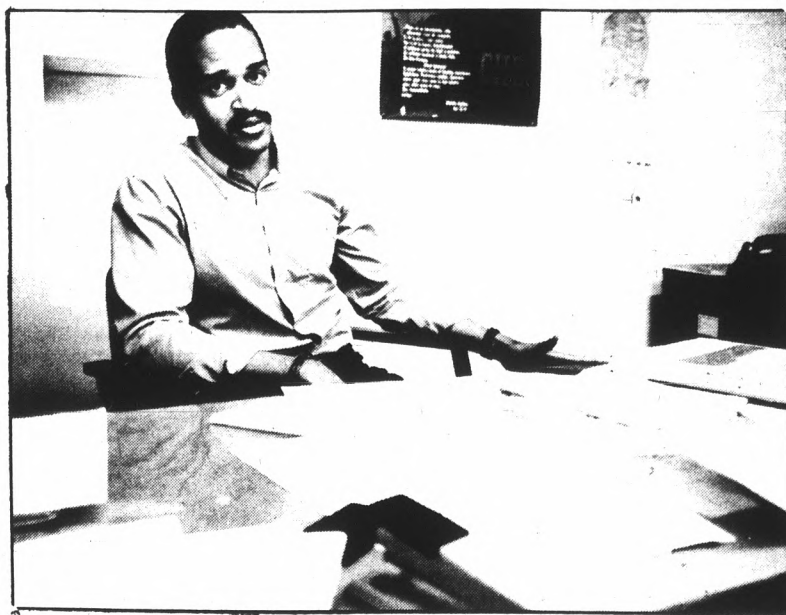
Gilliam said a concerted effort by San Francisco college campuses is what's needed to acquire these passes.

The discount Muni bus passes seem destined for the same fate as the book loan program.

Gilliam blamed a bad budget, a past business manager, and misinformation about carry-over from last year's budget for the unsuccessful book loan program. Gilliam said he was told by previous AS Business Manager Rob Kamai that there was going to be almost \$60,000 in carry-over from the 1982-83 budget. This was found to be incorrect.

"One of the things that set us back was that carry-over," he said. "The carry-over set us back so much that those programs that we were relying on having funded (were not)."

Associated Students is currently going through a mid-year budget reappraisal. This represents what Gilliam calls 'the final phase of our cleaning house,' giving way to a clearer picture for the next ad-



Derek Gilliam in his office.

ministration.

"When the next slate comes in they will have a more realistic budget to work from," Gilliam said.

He said he feels the problems began with the distrust he and his administration had for Kamai. Gilliam said Kamai made a lot of unrealistic budget projections for programs.

"Basically these projections have come back to haunt us, and put the book loan program in further jeopardy," he said.

Also contributing to AS financial woes were outstanding bills from previous administrations, totaling \$20,000. One bill dated back as far as 1976.

Gilliam said he hopes the next administration will carry on the programs his slate has initiated.

"Many of us feel one of our greatest contributions would be to at least have a more realistic budget so that the next slate would have a more realistic frame of reference," he said.

Help find Faith

By Liz Hackney

Last December, Pat Pettigrew lost a hardcover book printed in 1908 that was "a treasure" to her. Like many students, she didn't know that the best place to begin searching was at any of the 13 lost and found locations on campus.

"The best advice I can give to someone who has lost something on campus is to go back to the place they lost it and if it's not there, come down to the Department of Public Safety (DPS) and report it missing as soon as possible," said Captain Mel Vaughn. The DPS office is in Module 1 on campus.

Pettigrew, 63, returned to the places she had been during the day and then finally stopped at the Student Union information desk. She received permission to post a sign with a description of her book, red trimmed with a paisley cover, on the student bulletin board.

The Student Union information desk is where most lost items are turned in. Boxes of items are moved to the DPS lost and found cabinets every few weeks.

"One of the biggest things we get is bank cards from the automated tellers," said Mary Keller, manager of the information desk, nodding toward the automated tellers outside the Student Union. Other lost items read like a student survival manual: student I.D. cards, textbooks, notebooks, umbrellas, jackets, calculators, wallets, purses, backpacks, watches and most of all, keys.

Nearly two months have passed and Pettigrew still hopes her book will be returned.

"The book's title is 'Faith,'" she said. "It's not specifically a religious book. It's more about faith in people, which is what I have, and faith that my book will be returned."

Expatriate calls for Socialist solutions to end struggles

By Christine Feldhorn

Kwame Toure, recently barred from entering Britain because of his support for radical tactics, addressed a crowd of 30 at the Student Union Monday and exhorted blacks to organize to bring about the downfall of capitalism.

Toure, 42, formerly Stokely Carmichael, was refused permission to enter Britain Jan. 22 for a 10-day lecture tour. Britain's Home Secretary Leon Brittan cited Toure's support of organized riots and the purchase of grenades for use in revolution as reasons for rejection.

A leading black power advocate in the 1960s, Toure is now touring the United States to encourage student support for his revolutionary

goals.

Toure gained renown in 1966 as the chairman of the Student Non-Violent Coordinating Committee which he left in 1967 to join the Black Panther Party. Two years later he quit the Panthers and moved to Guinea, where he now lives.

Toure last appeared here in 1971 when he addressed almost 1,000 people in McKenna Theater and urged them to act on his revolutionary ideas.

The student protesters of the 1960s and 1970s, said Toure, "made a grave error." They were protesting single issues, he said, such as jobs, and when they got their high-paying jobs, they had nothing more to protest against.

"Their mistake was ideology.

One must, in every way and in every aspect, be opposed to the capitalistic system. The solution lies in the total destruction of the capitalistic system."

Toure said students often follow the traditional ways. "Capitalism says get a degree and make money. The way to fight this is constant political education. You need serious students who understand that freedom is more important than jobs and lives."

Although unconnected with the presidential campaign of Jesse Jackson, Toure said Jackson "is doing an excellent job" at mobilization.

"Mobilization, however, can never destroy organized forces," Toure said. "Only another organized force can do this."

"Socialism is the only and inevitable system. Do not think that the temporary victory in Grenada is anything but temporary. It will soon be socialist."

The Trinidad born Toure serves on the central committee of the 15-year-old All-African People's Revolutionary Party. It has about 100 members in California and three to four times that number nationwide.

Toure said he will speak in San Diego and in Alabama after leaving the Bay Area.

Oba T'Shaka, associate professor of black studies at SF State, also spoke on Pan Africanism, the meeting's topic. T'Shaka addressed the largely black audience from in front of a large banner bearing the profile of the African continent. He said Pan Africanism means that blacks everywhere should have an interest in their mutual struggles.

Calling the free enterprise system "the free rip-off system," T'Shaka said blacks should fight "the twin enemies: racism and capitalism."

The meeting, part of a series of presentations honoring Black History Month, was given by Tichimba, an umbrella group for several black advocacy groups on campus.

cording to the Gross National Product."

"If we continue at the rate we are going," he said, "We are not going to have anything left for our children or their grandchildren."

Fielding questions from the audience, Markowitz was asked if there was anything an individual could do to change society.

"The one thing that unites us all is that everyone loves babies. It does not matter what nationality the baby is — everyone loves babies."

So the question is: What can we do to protect those babies? The answer is simple: In order to survive in the world, we must come to grips with the fact that we must share limited resources in a world which is united, — rather than in its present form of nation-states. Our fate is not pre-ordained, but we cannot continue to build more and more bombs."

Biology professor warns of doomsday war

By Richard Schneider

Biology professor Hal Markowitz blasted the Reagan administration's defense policy and outlined a pessimistic view of the world when he spoke yesterday at the first of four forums sponsored by the NEXA program.

Nearly 40 people attended his speech, entitled: "Can the World be Saved From Science and Technology?"

Markowitz began his speech with a disclaimer, saying that he was neither a traitor nor a communist, but that no matter what, some of the people would not like what he said.

Markowitz first spoke on what he called a "false belief," an excessive amount of freedom.

"Too much freedom is bad," Markowitz said. "Freedom is a multi-faceted institution which is really a form of behavior control. The question we should ask is to

what extent are we free?"

Echoing the philosophies of Herbert Marcuse, Markowitz said that society imposes a false set of freedoms on us.

"Why are we dying to achieve a false freedom when what we should strive for is the values of all mankind?"

"You can pick up an almanac," Markowitz said, "and see the destruction we are building. History will record that the current administration is going to be the most vulgar ever known."

Taking aim at the military-industrial complex Markowitz declared, "Look at the weapons that the capitalists are imposing on us. Their boards of directors are leading us to doomsday."

Markowitz's second point was that technological advances hurt rather than help society.

Speaking on scientific advances put forth by B.F. Skinner, the renowned behaviorist, Markowitz

said that he has witnessed animals being employed as weapons of war.

Markowitz said he knows of a government contract with behaviorists and others to train dolphins to lay mines for the Navy Department.

Scientific advances used in the interests of national security are wrong, said Markowitz.

"What we really need is revolutionary changes on our system of beliefs. We are headed on the path to doomsday and unless we change the world soon, I have little hope."

"The answers I seek are deterministic rather than fatalistic," he said.

This led Markowitz to his third point, that the scientific method of viewing concepts and things is better than viewing things as they are on their face.

In other words, "The way we should view our situations should be their relativity, not their worth ac-

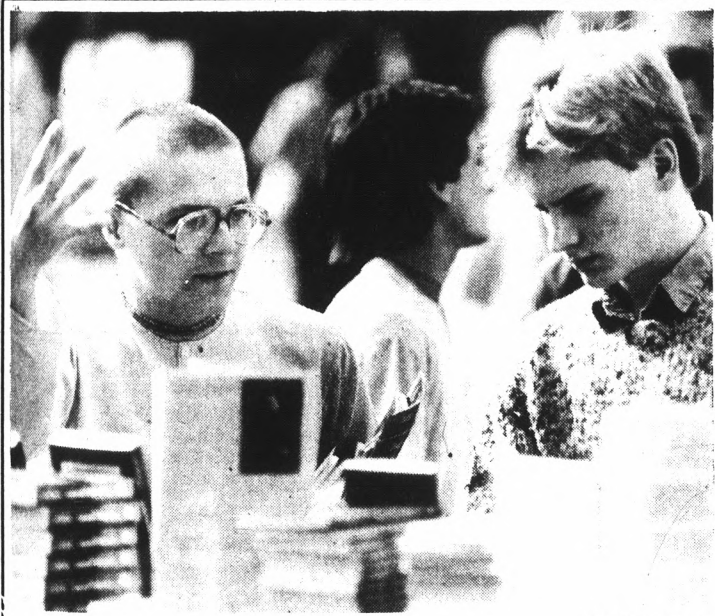
cording to the Gross National Product."

"If we continue at the rate we are going," he said, "We are not going to have anything left for our children or their grandchildren."

Fielding questions from the audience, Markowitz was asked if there was anything an individual could do to change society.

"The one thing that unites us all is that everyone loves babies. It does not matter what nationality the baby is — everyone loves babies."

So the question is: What can we do to protect those babies? The answer is simple: In order to survive in the world, we must come to grips with the fact that we must share limited resources in a world which is united, — rather than in its present form of nation-states. Our fate is not pre-ordained, but we cannot continue to build more and more bombs."



A member of the Hare Krishna sect discusses philosophy with a curious onlooker at the Student Union.

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Letters

The Phoenix will print almost any letter to the editor. Just make sure it's 300 words or less, typed and double-spaced.

Too many books

Editor,
"Top This!" was the headline for a Phoenix story on Feb. 2, in which we heard about one unfortunate Rockney Olson, who spent \$160 on eleven books for an English class.

Poor guy. He didn't realize that only two of those books were required for the course, and that most of the books are on reserve in the Reserve Book Room of the Library anyway. If he had asked the instructor, or even come to the first class meeting, he'd have known that, just as all the other students in the class did.

Poor reporter. He didn't even call me, the instructor, to hear the whole story, or he never would have written it.

Poor editor. He didn't even tell his reporter to check his facts.

Poor journalism!

Prof. Jim Koln
English Department

Unfortunate

Editor,

In the Dec. 8, 1983, issue of the Phoenix, Paula Nichols reported on an important talk given by Colorado Professor John Birks, co-author of "The Atmosphere After a Nuclear War: Twilight at Noon." Unfortunately Nichols' article contained numerous errors which, when taken together, served to severely distort the meaning of the scientific findings of Birks and his colleagues.

I was pleased, therefore, to learn that an excellent editorial written by Devra Noily, an editorial which detailed many of the imported findings of Birks, Carl Sagan and other eminent scientists, was to be published by Phoenix on Feb. 2, 1984. Noily had asked me to comment on a first draft of the article and I found it to be the sort of editorial which I would hope every student would get the chance to read. For not only did the article provide information critical to assessing the full effects of nuclear war, the article also pointed out that fundamental changes in human behavior and

heightened standards of moral maturity will be necessary to avoid the apocalyptic potential of current weapons technology.

So it was doubly unfortunate that the Phoenix editorial staff so badly mangled this second article, an article which, if printed verbatim and precisely, would have done much to rectify the injustice done to truth caused by the absurd errors which dominated the first article by Ms. Nichols. As printed in Phoenix, Ms. Noily's article was barely intelligible. Paragraphs were switched about and clarifying sentences were omitted. What resulted from such "editing" was a hodgepodge of sentences, few of which seemed logically connected to each other.

What must be stressed here is not simply that Phoenix did a tremendous disservice to Mr. Birks and Ms. Noily in allowing their findings and views to be perverted beyond recognition, though it is true that they were. Far more serious is the fact that Phoenix, by its negligence, has struck a double blow at the truth and has failed its primary duty to deliver to the student population information indispensable to the formulation of informed opinion. My recommendation is that Phoenix issue a public apology both to Mr. Birks and to Ms. Noily and that it rerun Ms. Noily's article in full, this time with all the sentences and paragraphs in order.

Daniel M. Galpern

Paula Nichols replies:

The story appeared two months ago. Any error — none is specified — was inadvertent. I thought we were all on the same side. Mr. Galpern has a funny way of showing us the path to peace.

Phoenix regrets mechanical errors in the layout of Devra Noily's article.

Petition

Editor,

Last year, as you may remember, passing of the state budget was delayed for 34 days after the June 15th constitutional deadline. Each of the legislators received his paycheck while over two million Californians (unemployed, disabled, and anyone waiting for a state income tax return) did not receive their state-issued checks. Then to

"reward themselves, the legislators hurriedly voted themselves a 20 percent pay raise.

There is a petition currently being circulated throughout California to obtain 820,000 signatures by April, which would put an initiative on the November election ballot. The petition, being circulated by Californians United for a Responsible Legislature (CURL), a non-partisan, non-profit and all volunteer group, would force the lawmakers in Sacramento to stop shirking their constitutional responsibilities.

The "Legislator Pink Slip Initiative" would call for:

- Cutting off pay and expense money for the legislators at midnight on June 15 in any year they have not passed a budget by that time;

- Fine each legislator \$200 a day for each day they do not pass a budget;

- Provide continuing budget authority for the state to meet its bills;

- Require a vote of the people on any proposals to increase legislative pay;

- Limit legislators to one salary and expense allowance and do away with tax-funded cars, unlimited charge cards, and their multimillion dollar "slush fund."

If you would like to sign the petition, help circulate it, or would like more information, please contact me, Holly Ridenour, 240 San Diego Ave., #4, San Bruno, CA 94066. Phone (415) 952-2959. Or contact CURL, P.O. Drawer 330, Aptos, CA 95001. Our phone number is (408) 688-8986. When contacting us by mail, please enclose a self-addressed, stamped envelope. Your help is appreciated and needed now!

Holly Ridenour
SF State student

Election strategy

Editor,

I just want to go on record with this prognosis for the Democratic strategy to dump Reagan in the fall elections.

Walter Mondale will receive the Democratic presidential nomination this summer in San Francisco.

Women, blacks and other minorities will back Mondale out of recog-

nition that he is better than the incumbent. Jesse Jackson will support Mondale since Jackson's first priority is to register the black vote and his second priority is to see Reagan go.

The part of the population the Democrats will need if they are to unseat Reagan is not the minorities or the liberals, but the mainstream American voters. These voters respond favorably to Reagan's "strength through military" posture. These same people feel the president is responsible for the favorable turn of events in the economic sphere too. Sorry Paul Volker.

If the Democrats have any chance of picking up the votes of these heartland Americans it will be with John Glenn. Glenn will have to come onboard the Democratic ticket as the vice presidential candidate. His image as the patriotic, pro-military, ex-astronaut will greatly enhance the general appeal of the Democratic ticket.

Many people at this time think this is a preposterous idea and it is, given the ideological differences between Mondale and Glenn. But who would have guessed during the 1980 primary season that Reagan would be nominated and he would choose his favorite primary season whipping boy, George Bush, as his vice presidential candidate?

I'm not saying the Democrats will be smart enough to offer a Mondale/Glenn ticket. After all, they badly misread the public in 1980 by nominating Jimmy Carter as their candidate when the Iranian hostage situation had cost him most of his domestic support. John Anderson took a critical 7 percent of the presidential vote which would have gone to Kennedy if the Democrats had nominated him instead.

What I am saying is if the Democrats are to have a chance, they will need more than Mondale. Glenn could deliver the rest.

John McManus

"A woman drove me to drink and I never even had the courtesy to thank her."

— W. C. Fields

Question woman

By Shelly Nicholson

What was your best job?

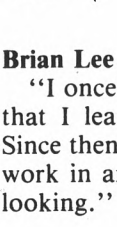
Michael Williams, 25, senior, psychology

"I liked being a coach for the female gymnastics team at Syracuse University. The first year I was coach our team had a winning season. I only had the job for a year-and-a-half, but it was a great experience."



Gail Esther, 21, junior, management

"I was an assistant coordinator for special events in the fashion department of Joseph Magnin's. My job was to help coordinate fashion shows and dress models while working with representatives from various designers. The job and pay were both great."



Brian Lee Jr., 20, junior, biology

"I once worked as a cook and was so good at it that I learned how to double-flip a hamburger. Since then I've only had menial jobs. Right now, I work in an ice-cream parlor. That's why I'm still looking."



Lisa Egert, 19, sophomore, business

"I enjoyed being a veterinarian's assistant. When I was younger I wanted to be a veterinarian until I got a volunteer job in a pet hospital. It was fun working with animals, but after witnessing too many operations, I decided that it wasn't for me."



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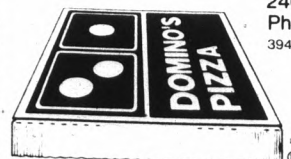
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Students for CRANSTON is having its first general meeting on February 17th at 2:30 pm, in Student Union, Rm 114.

Region 15 College Bowl Finals. Saturday, February 18, 9 am-4 pm. Barbary Coast and Gold Coast—Student Union. Free!

Therapy group for men and women now forming. Thursdays, from 1-2 pm. Student Health Center, Psychological Services. Call 469-2761 for interview.

The Air Force Qualifying test (AFOQT). Saturday, Feb. 11, 10 am to 3 pm. Visit Psychology 115, call (415) 469-1191.

Transfer 47 now accepting prose poetry submissions. Students leave double spaced manuscripts in C.W. office, HLL 236. Deadline—Thurs., Feb. 23, 5 pm.

Interested in sorority life? Phi Sigma Sigma invites you to find out. Come to our first party—Feb. 15th. Meet downstairs in SU Basement. For info., call Denise...665-7481.

Tay Sachs screening Tuesday and Thursday Feb. 14 & 15, in the SU. A two minute blood test can be very important.

Talkback with Jerry Galvin, is San Francisco's nationwide call-in comedy talk show. Every Sunday at 6:00 pm on KCSM, 91.1 FM.

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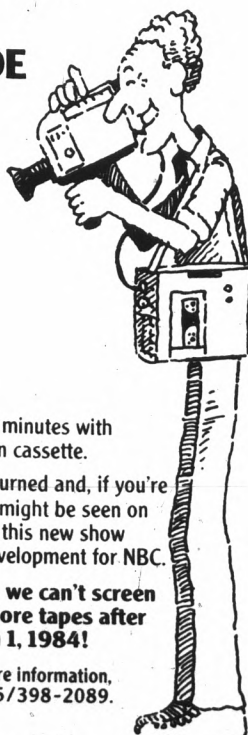
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Opinion

Editorial

Past Associated Students presidents have been training model versions of real politicians, right down to their razor-cut hair, three piece suit and fence-straddling postures.

That is why so many of us had a revitalized sense of hope when Derek Gilliam came along. Here was this young black man, wearing blue jeans, a black fez and high-top basketball shoes who was willing to question the status quo, to confront the issues, to shake up the joint. Or so we thought.

It did not take long for Gilliam to prove that rhetoric is rhetoric, despite the volume or the costume.

He has repeatedly complained that past AS administration inefficiencies are preventing him from achieving his goals. We have heard that before.

No politician at any level ever has enough money, or would be foolish enough to admit it. So the challenge is to do what can be done with what's available. This separates the talkers from the doers.

As Gilliam goes into the final months of his term as AS president, he still has time for doing. He can go out as an AS president of distinction or he can go out just another AS president.

Specifically, he can fulfill some of his campaign promises which would not only benefit students now but students for years to come.

To begin with, he can see that this campus becomes a safer place. On Dec. 14 the Department of Public Safety conducted a campus walk-through to find areas that are inadequately lighted. It found several.

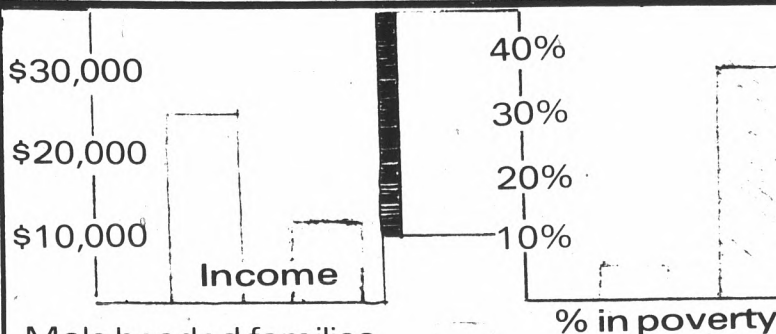
Gilliam promised in his campaign last spring to work on improving campus security. He cites a hesitance on the part of the DPS to take corrective action because of lawsuits in progress against DPS. Gilliam maintains that for the DPS to agree to security improvements is, in effect, an admission of guilt as to inadequate safety measures.

It is hard to imagine any time in the near future when the DPS will not be fighting lawsuits. But should students continue to walk around a less-than-safe campus because the DPS is fighting lawsuits which charge, in part, that the campus is unsafe? Given this paradox, Gilliam should be even more motivated to fulfill this promise.

Another forgotten campaign promise would, if fulfilled, serve the very students Gilliam says he is most concerned about — the Third World and working-class students. This is his promise to secure Muni passes for SF State students, similar to the passes local secondary school kids have — \$5 for a monthly pass, as compared with \$24 a month for adults.

Finally, Gilliam could distinguish himself by starting the book loan program. But the eternal budget problem, a result of — wouldn't you know it? — past administrations — prevents him from accomplishing this too.

Gilliam still has time to stop talking and start doing. If he could accomplish just one of these campaign promises, he could leave SF State with an achievement benefiting students long after he is gone. He could leave with the satisfaction of not being just another AS president.



Male headed families
Female headed families

Comparable worth

By Lynn Porter

At East Bay Municipal Utility District in Oakland, a senior clerk directs assistants, uses office skills and reviews the work of others.

Just outside her window, a painter foreman directs painters, uses painting skills, and evaluates the work of others.

Both jobs require similar levels of education and responsibility. But the painter foreman earns \$2,436 a month. The senior clerk makes \$1,533.

This illustrates what is shaping up to be a major issue of the 80s: Women say they are being paid less than men for comparable work, and are demanding a change.

According to federal statistics, today, 20 years after the passage of the Equal Pay Act in 1963, female workers earn only 59 cents for every dollar earned by their male counterparts. This is even worse than they were doing in 1955 when the figure was 64 cents.

As a consequence, a new concept has evolved — that of comparable worth. The term describes efforts to base women's wages on skills, effort and responsibility instead of traditional market forces.

The term has been much in the news since December, when a federal judge in Washington State ordered the state to pay millions of dollars in back pay and raises to women who had been paid less than men holding jobs of "comparable worth."

The Reagan administration is challenging the Washington decision.

According to Prudence Slaathaugh, business agent for the American Federation of State, County, and Municipal Employees, the administration is worried about the ruling "because it would show that the concept of comparable worth is enforceable by the judicial system and that it is an illegal practice to discriminate against women."

If the ruling is upheld, it will be costly. According to a July 18 article in Business Week, the pay-discrimination suit in Washington could raise the state's \$4 billion budget by 2 percent, or \$80 million.

But according to Slaathaugh someone will have to pay no matter what — employers, or women who are being discriminated against.

Although there will have to be a major redistribution of wealth in order to finance comparable worth, she said, it is necessary that financial discrimination against female jobholders end.

A woman with four years of college makes less than a man with a ninth grade education, she said. Department of Labor statistics bear her out: In 1979, women with four years of college made an average \$12,347 annually, while men with eighth grade educations brought home \$12,965.

Opponents of comparable worth argue that the market should be left alone. They say workers are already paid what they're worth, and that wages will increase when demand increases. But Slaathaugh disagrees.

"The market place has a built-in depression of wages for women," she said. Although demand has increased for retail sales people and clerical workers as a result of growth in those industries, she said, wages have not increased and in some cases have gone down.

Comparable worth is on the agenda of every women's organization in the country, said Slaathaugh, and many Democratic candidates support it.

The opposition is harder to pinpoint, she said, because no one wants to come out in favor of discrimination. But industry is probably the chief opponent, and Ronald Reagan, "probably the chief spokesperson for industry."

Slaathaugh believes that comparable worth will probably take hold in government earlier than in business. For one thing, politicians respond to political pressure. For another, taxes can be used to finance pay increases — a resource not available to business.

"Public agencies not in the position to make money don't have the same pressure as, say, a bank president," said Slaathaugh. She said that women in business may be forced to unionize in order to secure equal pay.

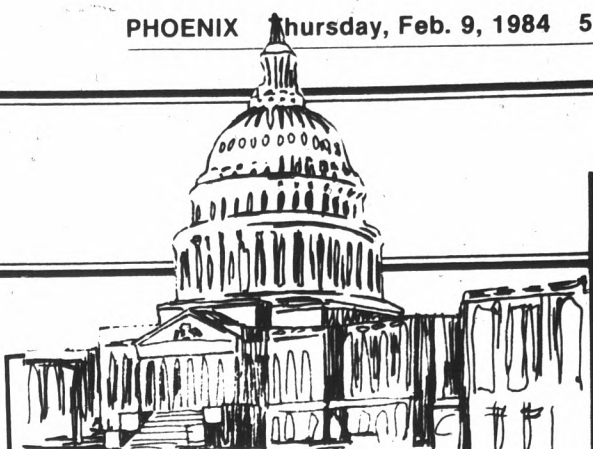
Whatever the cost, Slaathaugh strongly believes in comparable worth.

"What we are working for as a general principle is a working wage for women."

With a favorable court ruling on comparable worth, she said, "Employers will know what they'll be faced with if they say 'no.'"



Prudence Slaathaugh



Our Man on Washington

By Gordon Sullivan

It's not everybody who gets a personal letter postmarked Washington, D.C. and signed by the chairman of the Democratic Party.

So I took it pretty seriously when such a letter showed up in my mail box some three years ago, signed Robert Strauss.

In it, I was alarmed to read of a new threat to our country from right wing fanatics, militarists bent on confrontation with the Soviet Union and anti-environmental types trying to turn back the clock on federal land protection. And I was particularly concerned at the threat to the economy.

The economy was in bad shape those days — just bad enough to leave me insecure, while not yet unemployed. This being the case, it seemed appropriate to respond with a small contribution.

An enclosed card had several boxes printed on it, labelled "\$10," "\$20," "\$30," and so on. There was also a box marked "other." I filled in that, and sent off a check for \$5.

That must have been a dry season for Democrats. Because it wasn't long before they were back. And mailing multiple appeals to me was hardly the most prudent use of postage.

The party did show some sense of decorum — this was, after all, the Democrats. The first letter I received made no mention of another contribution. Rather, Bob was just writing to keep me posted, as a contributing member, on conditions at the front.

But it wasn't long before the hand came out again.

Now our political system would be a finer thing if it were fueled entirely by the contributions of the common man — among whom, with more resignation than pride, I count myself.

So it wasn't on principle that I objected to a second appeal.

No, it was just that back in those days I was having a hard time coming up with the rent each month. That was the reason I ignored the party's supplications, even if it did bode ill for the Republic.

Even so, the letters kept coming. And coming and coming.

Eventually, Bob apparently gave up, for one day his signature was replaced by that of Charles Manatt, present party head. The letters never faltered. I moved to another apartment, and then another. Still Charles caught up with me, with letters bearing two yellow change-of-address stickers and a D.C. postmark a month old.

Now I am not one of those who believes the party doesn't matter.

I have long believed our country would be a better place had we elected Hubert Humphrey over Richard Nixon in 1968. My appreciation of Eugene McCarthy's wit and wisdom is even today tempered by a resentment over his failure to campaign vigorously for Humphrey. I ceased to find John Anderson's candidacy "interesting" when it was pointed out to me that he would draw most of his votes from Carter.

Consequently, it bothered me greatly to reflect that out of a naive desire to help the party, I had apparently become instead a major drain upon its coffers.

I had received scores of appeals. So many had come and gone unanswered that any reasonably programmed computer would long since have shunted my name into the "probably deceased" category and dropped my name from its mailing list.

I finally grew so ashamed that I ceased to even open the envelopes. When one would show up in the mail, I would sneak it upstairs to the apartment and deposit it furtively in the trash.

Until today.

Today it came to my attention that although the investments of both major parties in direct mailings to me and others are indeed considerable, such campaigns are nevertheless highly profitable.

It seems that even if a direct mail campaign that costs \$400,000 to mount raises only \$500,000, it nets not \$100,000 but \$600,000. The reason is federal matching funds.

This means that direct mail campaigns are not in fact shoe-string operations that can be sunk by a few deadbeats of necessity such as myself. It means, too, that my generosity of three years ago enriched the party not by one but two fins.

When I read that, it was as though a weight had been lifted from my shoulders. I sat up in my chair. A smile graced my features all day.

And as it would happen, I received another letter from Charles in Washington, and this one I did not throw away.

I have it before me now, and I can tell you, things don't look good. Seems that once again we're threatened, this time by a coalition of all the old baddies and a few new ones, including James Watt sympathizers and moral majority minions.

But if the situation is serious, all is not lost. There are important senators and representatives, people you've heard of, on our side. There are districts in which we might pick up a seat here and there. There are fronts on which the other side is vulnerable.

In fact, the reasons go on and on, and I'd really like to sit here and tell you about them.

The thing is, just now I haven't got the time. I've got to go find my checkbook.

Phoenix Forum: Are you better off today?

Students — Faculty — Staff

Is there an issue all of us should know about? Bring it in to the Phoenix Forum.

By William D. Chalmers

It's officially "election season" again, and the "Great Communicator" — candidate Reagan — will begin extolling the virtues and successes of his past three years in office.

Telling us all that "America is back — standing tall" and "Don't you feel good to be an American again?," he'll point to his successes like bumper-sticker sloganeering: "peace through strength,"

"moral revitalization" and of course "sustained economic recovery."

But behind these pseudo-successes lie the real legacy of his presidency. Are you in fact better off today than you were four years ago?

On the domestic front, his manipulation of the so-called "Phillips curve" has indeed lowered inflation, but at the expense of higher unemployment and massive national under-employment. Interest rates are still unacceptably high, and personal savings have fallen dramatically. All of these economic indicators affect to a great extent the plight of the middle and lower classes of American society — those of us who have to purchase the American Dream — cars, homes, personal computers — on time.

Moreover, from the candidate who three short years ago gave his word to balance the budget and decrease the size of government spending by his "supply-side" macro-economic theories, we've gotten just the opposite: broken promises, in excess of \$500 billion in Reaganomics red ink, and an actual increase in the size of federal spending — both relatively and absolutely. Simply put, our future is being mortgaged off by massive and unjustifiably gross military expenditures — up 48 percent since 1980 — and billions in indirect "aid to dependent corporations" in the form of subsidies, government contracts and tax breaks.

It's evident today that a massive income shift in favor of the over \$60,000-a-year crowd is taking place in America under the Reagan presidency. And to set the record straight, the gap is getting bigger, the poor ARE getting poorer, and a trend towards the "feminization of poverty" is taking place. Poverty has risen to such an extent that today over 42 million of us are marginally subsisting. Reagan's cruelties include a 7 percent cut in unemployment insurance funds, a 13 percent slashing of food stamp availability, a 27 percent reduction in the availability of educational loans and a 28 percent take-away of child nutrition programs. It's no wonder this nation's infant mortality rate has increased significantly under the Reagan budget cuts and the inadequate maintenance of social programs.

Reagan has effectively gutted the U.S. Commission on Civil Rights and emasculated the EPA. He simply smiles and gives lip service to other pressing health, safety and environmental issues of the day.

Reagan's policies are designed under a philosophy in which money is more important than compassion, corporations are of higher importance than people, and profits are sought out more than our health and

the protection of our environment. This administration is polarizing America between rich and poor,

man and woman, white and non-white.

Where do you begin on the international scene? Lebanon? Grenada? Nicaragua? Soviet-American relations? It really scares me to think of all the possibilities where mutual superpower mismanagement in a crisis could exacerbate already tense situations to the point of war.

What are we doing in a 2,000-year old conflict in the Middle East anyway? Why are we waging war against the small and poverty-stricken nation of Nicaragua? Is it a threat to our existence? And we finally got to defeat the enemy in Grenada. Now we occupy it.

The frailties of Reagan's foreign policy are almost laughable in the long-term view of world politics. Our increased support to the likes of Zia in Pakistan, the racist South Africa, the dictatorship of Marcos, the fascist regime of Chile, are all of great concern to many international commentators. Every one of these nations is ripe for social change or domestic violence, and we're on the wrong side of the fence in each of those arrangements.

So what's the answer, you ask? I honestly don't know. But sometimes I think that our present system isn't capable of truly addressing the problems lying before us. The two-party mode of leadership selection is grossly inadequate. I always get that "meet the new boss, same as the old boss" feeling after election season's over. This, combined with the institutional inertia which permeates the morass of bureaucratic vested interests, simply doesn't allow for the substantial change so badly needed.

If our so-called leaders can't address these and other pressing issues, who can? Sadly though, at a time when these massive yet manageable problems need solving, our democratic institutions are faltering. Political participation is continually on the decline, and as a result we have fewer and fewer people deciding our fate. We are ending up with an elitist form of government that's bought and paid for by dangerous single-minded political action committees.

During election season the politicians will be parading themselves around the country, dressed sharply, smiling and waving, pressing the flesh, telling us they've got the answers to our nation's ills. Naturally, for purely selfish reasons, of course, they'll say "vote for me."

And of course the "Great Communicator" who's "not done with his job yet" will con us into another four-year lease in the White House.

William D. Chalmers is a graduate student in international relations.

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Making bucks

Economic woes spur ROTC

By Heidi Novotny

WANTED: "A guy who sits in the silo and pushes the button if the President calls and says to do it."

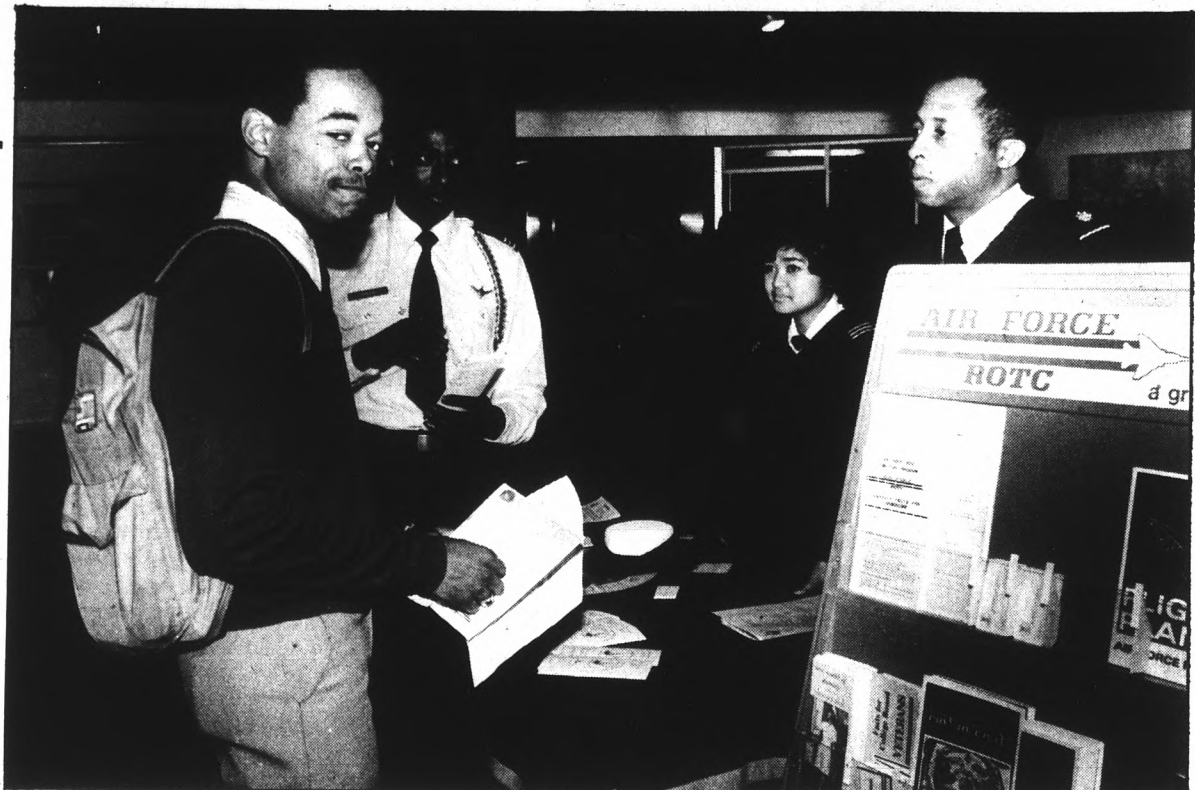
This description of a missile launch officer's career includes all the perks of an Air Force ROTC college scholarship, said San Jose State ROTC recruiter, Capt. J. Sean Habina. The scholarships pay full tuition, fees, books and \$100 a month. The government provides the uniforms worn to the ROTC classes.

Although SF State's two-year Air Force ROTC program has seated only 13 to 17 new recruits each year since it began in 1979, San Jose State has tripled the number of recruits each year since the start of its four-year program in 1981. Over 40 of the 160 recruits are on full scholarships to Stanford University while they attend their ROTC classes at San Jose State.

"I feel great about the increase in recruits," said Habina. "The opportunities are vast in the armed forces. We need dedicated people to take over the positions that we'll be vacating when we retire."

The first year after college graduation, cadets become second lieutenants and earn \$18,000 a year as well as a 30-day vacation, sick and disability pay, moving and traveling expenses. In their fourth year, they become captains at \$29,000 a year.

When asked for an explanation of the new appeal in military jobs, Habina answered, "renewed national patriotism and the fading memory of the Vietnam era." January's Air Force Magazine says, "With memories of the Vietnam War fading and services to the country once again in favor, a uniform



A student speaks with cadets James Green, Maria Jabson and Major Lee Greer.

on campus is no longer a magnet for angry confrontation."

Nationwide, cadet enrollment in the Air Force ROTC has risen steadily from 1976's low of 16,579 to more than 26,000 currently, according to Air Force Magazine.

"Our recruits feel good about being an American citizen and defending their country," said Habina.

As a Vietnam veteran, Mike Felker, SF State's veterans benefits coordinator, sees a different reason for the increase in recruitment. "We're coming out of an economic draft," he said. "The poor economy has made military popular because it offers them a job."

David Marvin, professor of international relations at SF State, said, "It has a lot to do with the economy. There are a lot of people coming on the labor market and there aren't a lot of jobs. Officers in the military have much better pay than they used to. It is certainly something that's no longer frowned upon. It used to be if you had a gov-

ernment recruiter on campus, that was like consorting with the devil. There were students who simply wanted to boycott the U.S. government."

As for students who leave college to enlist in the military, Navy Petty Officer William Roberts said that 3 percent to 4 percent of the enlisted men in the zone from San Francisco to Santa Clara were originally freshmen at SF State. Twelve percent were from San Francisco City College, he said.

Ben Ronguillo, a veteran at SF State, enlisted in the Navy in 1975. His recruitment officer, he said, "used the 'bait and switch' technique. They'll lure you in with something glamorous and then when you're in, they say that the seats in your field are unavailable." Ronguillo signed up for air conditioning and refrigeration training and was assigned to boiler making instead.

"What I didn't know was to get a guaranteed contract on paper before

you sign," he said. "You give up your civil rights. They tell you when to sleep, eat, what to wear, when to go to the bathroom. You give almost everything up," he said. "It was a nightmare. I used to ask myself how I got myself into this."

Currently, the military is looking for officers with degrees.

"I would hate to think that anyone would drop out of school to pursue their Air Force career," said Sgt. Mike Shutt, a North Bay recruiter for the Navy. "You have to have a bachelor's degree to join the Air Force officer training program."

Because SF State does not have an accredited school in electrical engineering, ROTC cadets are not allowed to join the Air Force's engineering program here. "But we can use SF State's students in our nursing, pilot, missile launch and navigation programs," he said.

The armed forces spent about \$2,000 on advertising in the Phoenix last year.

Summer jobs for small-time bureaucrats

By Harry Johnson

Does the thought of working for Uncle Sam suggest slaving under a mindless, monstrous bureaucracy?

Perhaps. However, such full-time employment this summer may help to shelter, clothe and feed the starving student by supplying a weekly paycheck of \$200 to \$275.

The Presidio of San Francisco (U.S. Army) needs 95 temporary workers this summer — shots, haircuts and basic training not required. The positions, mostly for clerks and typists, are strictly civilian.

The U.S. Office of Personnel Management lists about 570 summer jobs in the 12 counties of the greater Bay Area as far flung as Monterey, Napa and San Benito counties. The work is mostly military-related and is chiefly clerical, although technical positions are also available.

According to Maureen Hetzel, San Francisco area manager for the U.S. employment office, the college majors most in demand for permanent positions are engineering, computer science, medical technology and accounting.

"Fewer and fewer of the liberal arts-oriented jobs have been filled in the last few years because there has not been much attrition," said Hetzel. "The expanding areas are in defense and science."

She said most liberal arts majors have been placed in such position as revenue officers with the Internal Revenue Service and as claims examiners with the Social Security Administration. Both agencies are hiring.

The campus Career Center lists civil service jobs, as does the Federal Job Information Center, 450 Gol-

den Gate Ave., Room 1001, open weekdays, 9 a.m. to noon. For a 24-hour recording of full-time openings, call 556-6667.

Federal employees are paid either on a wage basis, for blue-collar work, or by salary, for white-collar work. A list of wage and salary levels clearly shows how much an employee can expect to earn. A college graduate generally starts at either \$13,837 or \$17,138 a year. The benefits, including paid holiday, health and retirement, are generous. While competition for jobs has increased, the number of federal job openings has steadily declined since the 1970s, said Hetzel. In the 12-county San Francisco area, the number of people hired for full-time civil service jobs fell from 5,500 in 1981 to 3,900 in 1982, and 3,100 in 1983.

However, the hiring system may have improved. The Professional and Administrative Career Examination, used chiefly to test entry-level liberal arts majors, was abolished in August 1982 following a court challenge that claimed it was biased against minorities. When the test was used, the federal departments and agencies would draw from a pool of applicants. Now each recruits individually and may administer its own test.

Civil service aspirants must still fill out 15-page application forms — another symptom of the infamous federal bureaucracy. Countering this negative image, Hetzel emphasizes the positive.

"Whenever an organization gets to a certain size, it becomes necessary to have rules, procedures, policies, set ways of treating people and dealing with situations so employees are treated equitably," she said.

"I feel there's the opportunity for creativity and contribution in a large organization, although you are, perhaps, in a more structured environment."

"I don't think the process in government is any different than in Standard Oil, Bank of America or any other large corporation."

"When you consider that Mare Island Naval Shipyard employs over 10,000 people, you'd expect they couldn't exist with the same kinds of regulations and procedures as an employer that has 25 people."

Survival: Banana pizza, quiet horses, feathers and rat stats

By Tim Donohue

The bizarre, the unusual and the strange are not reserved only for "Ripley's Believe It Or Not," a television oddity that airs on Sunday nights.

Forget about that show's presentation of the Ostrich People, the residents of Shark Island or spiders that live underwater. SF State boasts some of the unusual as well, particularly in the area of employment.

"I never got paid for the most horrible day of work I ever experienced," Harry Johnson, a senior majoring in journalism, said about the one day he worked as a chicken plucker in Provo, Utah.

"They (the chicken farmers) put us in this small room with an assembly line of dead chickens hanging from the neck. The room was filled with chicken blood and steam and smelled absolutely terrible," Johnson, now a copy editor with the Phoenix, said.

"Our job was to pull the feathers off as the chickens went down the line after being dunked in a vat of boiling water to loosen their feathers," Johnson said.

He took the job because he was hard-up for money. "I decided halfway through the day that the work was so terrible that I had to quit."

Johnson returned to the farm about a week later to pick up his paycheck "but the payroll people weren't there. I never returned to that place again."

Kostas Sakellaropoulos, a junior majoring in computer science, said he was once in charge of assigning stalls to racehorses at the Pleasanton and Vallejo fairs.

"You know how racehorse trainers are, really weird people," he said. "One trainer would close the doors to a stall to be alone with his horse before a big race."

Sakellaropoulos said, "Then the trainer would whisper in the horse's ear. It was like words used for making out with a girl — 'you're the most beautiful filly around,' he would say to his horse."

Once Sakellaropoulos accidentally walked in on the trainer. "He threatened to kill me because I broke the horse's concentration."

The horse won anyway. "Then the trainer threatened to kill me if I didn't drink a bottle of whiskey with him," he said.

Cassandra Hernandez, a junior majoring in health science, said the most unusual job she ever had was teaching kids in summer school how to brush their teeth.

"The work was hard because I had to brush my teeth about eight times a day," she said, "but I had

my flossing techniques down."

She taught 300 children, ranging from kindergarten to sixth grade, dental hygiene at French Camp, California (located near Stockton).

"The little ones like to eat the toothpaste and some of the little girls used the red plaque pills to paint their lips," she said.

Aside from sore gums, she said she enjoyed her job.

Konstantinidis Christos, a senior, said that while his job as a pizza maker was not so unusual, some of his customers were extremely bizarre. "I have received orders over the phone for chocolate-covered pizza, banana pizza and cauliflower pizza," he said.

He has also received orders for spaghetti with barbecue sauce, and penguin wings (the restaurant only sells chicken wings).

Christos was able to help one strange customer who asked for a pineapple and anchovy pizza.

Another student, who lives in the dorms and asked to remain anonymous, said he weighed and measured the testes of laboratory rats for a South Bay research center. He kept the job for just a short time. Believe it or not.

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New life in Peace Corps

By Deidre Harrison

The sleek blue brochure is filled with black-and-white photographs of Americans all over the world. A man, atop a wild majestic mountain, is surrounded by a throng of Latin children. He is teaching them how to use a hoe. An African woman, smiling in camaraderie, balances a jug of water on the head of a fresh-faced girl in her 20s.

"The Peace Corps," reads the brochure, "The toughest job you'll ever love."

Interest in the Corps among college students has wavered and flickered over the years. Recently, however, its popularity resurged.

"About 10 years ago, there was a lull in students' interest in the Peace Corps," said Dorothy Mayer, SF State's job recruitment specialist. "But interest has been going up for the last few years."

Corps recruiter Ellen Leech agrees. "The Peace Corps is very popular now. It's just less publicized than it was 20 years ago."

Rumors have cropped up during the Corps' history of links to the CIA.

"I don't know why people say that," said SF State student Ruth Snyder, a Corps volunteer in Kenya from 1978 to 1980 and receiving clerk in the San Francisco Recruiting office. "I never saw any evidence of the CIA being involved in the Peace Corps."

Phillip Agee's book, "Inside the Company, CIA Diary," a virtual roster of organizations and individuals controlled or influenced by the CIA, did not name The Corps.

Leech said the Corps is careful to avoid even the suggestion of such a link. "We screen applicants carefully. If they have ever worked for the CIA, or even applied, they are automatically disqualified."

Between Oct. 1982 and August 1983, 53 applicants from SF State were accepted into the Corps, according to Leech, coordinator for Northern California campus recruiting. One-fourth of those applicants are now overseas; three-fourths are either waiting for an assignment or have withdrawn. Most applicants from SF State qualify for teaching positions, although a few had business or accounting degrees.

Of Bay Area colleges, SF State provides an "average number" of applicants, said Leech. Most applicants in this area come from Stanford or the University of California, Berkeley. More volunteers come from California than any other state.

At its peak in June 1967, the Peace Corps had 14,968 volunteers in over 60 countries. It now has 5,400 volunteers in over 50 countries.

In the last five years, the Corps has withdrawn from several countries. Some countries, such as Malaysia, have requested it withdraw because the country had progressed enough to not require assistance. And "political reasons," said Leech, caused other withdrawals. The Peace Corps has left Korea,

Brazil, Columbia, El Salvador, Nicaragua, Chad and the Ivory Coast in the last five years.

A volunteer must be at least 18 years old, a U.S. citizen and in good health. Other factors, while not strictly requirements, are strongly weighed.

"A four-year degree is not mandatory," said Leech. "But you do have to have a strong skill. For example, if you're a bee-keeper, that's an area we never fill, or if you've worked in construction, you don't need a degree."

Generally, volunteers have at least a bachelor's of arts or sciences. Degrees in accounting, business, nursing, engineering and science are in high demand.

It takes something special, almost undefinable to be accepted as a volunteer. Carol Benson, a recruiter from the San Francisco office, said that only 50 percent of those who submit applications are eventually accepted.

"Even if a person has a four-year degree in the areas we're looking for and even if they're highly skilled, that's not enough," said Leech. "They have to like being with people. They have to show they've handled responsibility."

Community involvement is important for potential volunteers.

"Community involvement doesn't even have to be with the community at large. It can be a position of leadership on campus. It can be volunteer work, but it doesn't have to be. We look at any work involving leadership and organization."

"The personality characteristics we look for are tolerance, flexibility, adaptability, motivation and commitment."

A potential volunteer must first submit a lengthy application. Leech visits the campus several times a year to hand out information. Applications may also be received by mail or by calling the San Francisco office. Then there is an interview. If the recruiter feels the applicant is qualified, that person is "nominated," or given the recruiter's approval, and the application is reviewed in Washington, D.C. Then it is a matter of waiting possibly nine months for an assignment.

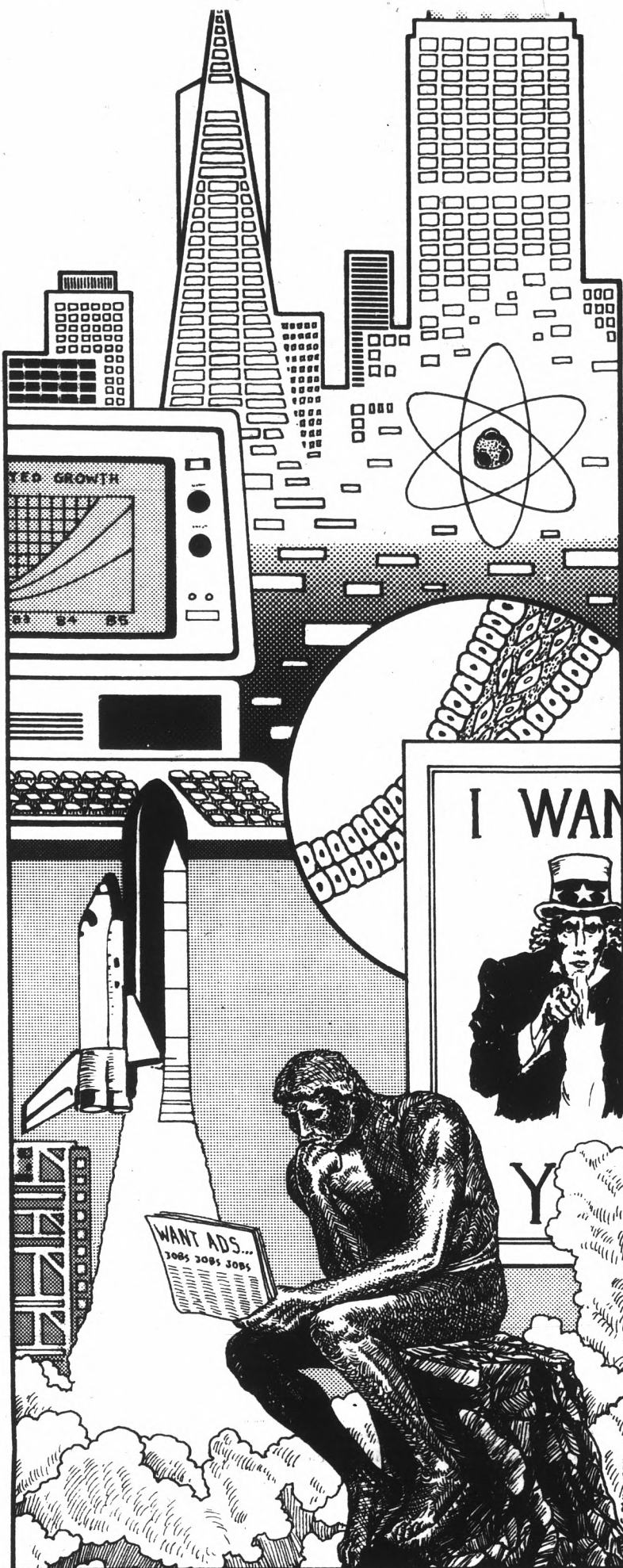
Even after being accepted, many potential recruits withdraw or are disqualified. Poor health, references that don't check out or a change of heart are reasons for the drop.

John Hooper, 24, graduated from SF State in December with a physical education degree. He is now preparing to leave for a Peace Corps training program. After that, he'll go to his assignment in the west African nation of Niger.

Hooper said it was his community involvement that secured his place in the Corps.

"I've done a lot of coaching and community work in my hometown, Irvine. I've worked on playgrounds and supervised senior citizens' activities. I was also a hall assistant in the dorms."

"Because of all that, my recruiter told me I had an excellent chance of being accepted. I applied at the be-



Students find jobs at campus center

By Fran Clader

So you want to find a job. Hours of searching the classified ads can be tedious, and letting friends know you're looking for a job is about as successful as walking the streets and popping into each business you stumble on, resume in hand.

The solution to worn shoe leather and newsprint-blackened fingers might be found on campus.

The Career Center, in Room 211 of the Old Administration building, is one resource that should be considered. It has a bevy of information and services, including books describing job market trends, salary figures, resume writing techniques and employer data; walk-in and individual career counseling; workshops on resume writing and job interviewing; and computerized career information.

The SIGI (System of Interactive Guidance Information) computer program gives students an idea of what type of position they should seek, based on their needs for prestige, money or management position.

The Center employs 19 staff members who canvass the city for part-time jobs for students. Don Casella, director of the Center, said the least desirable jobs are those in agriculture and manufacturing.

But hope abounds for those interested in finance, sales, personnel, manufacturing management and computers. For example, 900,000

jobs are expected to become available in finance, with accountants, auditors, banking and broker trainees the most sought after, Casella said.

If you're looking for the highest paid position, a survey of the Spring 1983 graduates, broken down by major, showed that of the nine responses received from engineering graduates, seven had found jobs averaging \$2,413 a month. Two were still looking.

Incidentally, a survey of Spring 1982 SF State graduates who had found work revealed work experience, internship or volunteer positions to be the most important factors in landing a job. Academic major was noted as the second most important, and an above-average G.P.A. was the least important factor.

The Career Center, according to Casella, provides four things: assistance in career planning; career information, which includes an "alumni career network" where professionals relate important details of their jobs; career experiences, or part-time jobs, internships and volunteer work; and job assistance workshops, resume writing and semi-annual career information fairs.

Those who are doubtful or think they'll be the only ones using the center's services should know that more than 7,000 students used the Career Center last fall.

Work-study needs one gorilla translator

By Phillip Alan Epps

Some of the more outlandish work-study jobs available this semester range from watching gorillas to restringing badminton and tennis rackets for the gym.

The jobs listed on the work-study board, located on the third floor of the Old Administration Building, are generally clerical but a few are unique. One intriguing job includes researching and recording vocabulary data from gorillas at a local primate center. The Gorilla Foundation would like someone with sign language experience.

The current job list consists of openings for an assistant at the Holocaust Library, a peer counselor at Galileo High School, a receptionist at the Haight-Ashbury Free Clinic, an aide at the Elderhostel (a "youth hostel" for the aged) and several sports-related positions at the campus gym and the YMCA.

Many SF State departments are looking for part-time clerks and receptionists. The Sociology Department is hiring an assistant, preferably one who has spent time

in prison.

Salaries paid by employers with work-study contracts are generally above minimum wage. They range from \$4 per hour to a little above \$5. One library position is offered at \$6 an hour.

On campus, the federal government pays 25 to 75 percent of the student's wage which is why salaries are better than a similar job which is not subsidized. The jobs are offered are both on and off campus. Most have flexible hours because working students have difficult schedules.

Restrictions and work-study eligibility should be verified before the applicant seriously attempts to find work. Students receiving only a partial financial aid award may not be eligible for a position.

The Office of Financial Aid defines work-study as "the opportunity to work and earn a predetermined amount of money." A work-study award, allotted by the office, does not automatically guarantee a job. However, a financial aid pamphlet states, "In almost every case, a student with an award can find a job."

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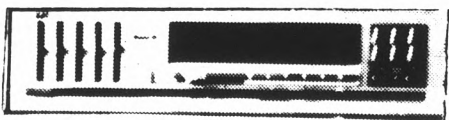
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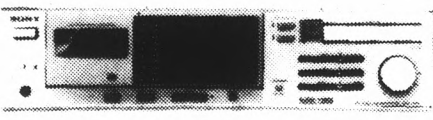
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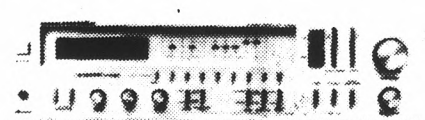
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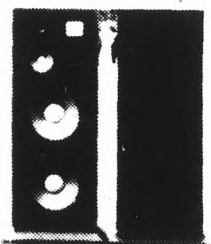
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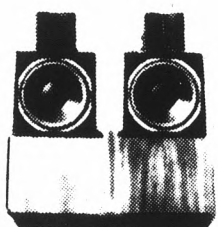
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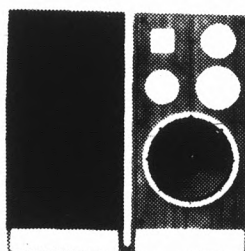
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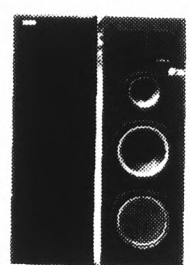
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ORIGINAL DEF

Continued from Page 1.

But, he said, CSU has decided to implement the program "on their own." As a result, he said, the Academic Senate must accept and administer a plan which many do not approve of. According to Randolph, many Academic Senate members would prefer the money

"A lot of the actors are still out there," Hager concluded. "Let's get public demand for an investigation."

Adding to the complications, the number of awards given is based on the number of full-time-equivalent professors. The more hours of instruction, the more awards. CSU determined there are 790 full-time equivalent professors at SF State, said Judy Gappa, assistant provost of faculty affairs. But according to Gappa, the actual number of full-time professors is 838. "I have no

—TUNE IN NEXT WEEK

Continued from Page 1.

Numerous flyers are posted around campus for work-at-home

When enough people lose money and make complaints to the postal inspector, an investigation into possible mail fraud is conducted. McKim said 100 cases of various types of mail fraud are prosecuted annually.

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But Cox cautioned, "We really don't have a way to check if an employer is bad or if a job has been falsely advertised unless a student files a complaint."

Continued from Page 1.

The Senate also took the first step in approving a new general education program. The new program is designed to give the student a strong footing in what the G.E. committee feels is "traditional education."

"In my own discipline c

The GE Committee reported has remained within the provision laid out by the state's Title V, a set of strict requirements in written and

Other departments voicing dissent were Physical Education, for not stressing dance and physical activity more, and the School of Humanities for not including a foreign language designation.

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ORIGINAL DEFECTIVE

Vandalism will delay cogeneration plant

By Liz Hackney

Bottles and rocks thrown out of dorm windows by students are major causes for the delay in the construction of a cogeneration plant in the basement of Verducci Hall, according to Rick Giusti, project manager.

"This project is moving forward as planned," he said. "But we waste time everyday cleaning up all the broken glass around the site and putting signs back up after the weekends." Giusti pointed to a basketball-size rock near his desk which had been dropped down the pipe shaft that runs from the roof to the basement of Verducci Hall.

"We're lucky nobody was killed," he said.

The cogeneration plant is part of an energy conservation program designed to reduce energy expenses for dorm residents. The generator will eventually be expanded to provide electricity for the entire campus.

Other problems in the construction of the plant include de-

lays in approvals for equipment, pipe trenches flooded by rain and a workmen's strike, said Morgan Griffiths, associate director of plant operations.

"There were at least three full weeks during the strike when there were no workmen on the site," said Griffiths.

In the original proposal, the generator was to be completed by February or March. "We are now waiting for a new completion date," said Griffiths.

"Our contract has a July date on it," said Giusti. "It will be completed then, unless something comes up." The strike did not delay construction or increase the cost of the project, he said.

The generator, which will cost \$1.28 million, will heat at least two water storage tanks holding 5,000 gallons of water each. It will provide additional electricity for the dorms, the solar water heaters and the original boilers. The generator will also be used as a backup in case of a general power failure.

Students take refuge at Ec House

By Victoria Ascher

It may have begun life as a two-car garage, but the Rising Spirits Cafe, attached to the brown and white Ecumenical House at 19th and Holloway avenues doesn't have an air of monkey wrenches and 30-weight oil. With four kinds of coffee, nine varieties of tea, and a fresh assortment of pastries, sandwiches and bagels served daily, the cafe comes closer than any other bistro on or around SF State to providing the academic community shelter from the battles of midterms, finals and each shell-shock in between.

The Ec House, one of three ministry centers serving the university, was started in 1963 when six Protestant denominations purchased the house to promote Christian unity within the campus community.

The American Baptist church, the United Church of Christ, the United Methodist church, and the United Presbyterian, Episcopal and Lutheran churches are the denominations represented. But the cafe itself asks no compliance of its patrons.

"People don't come here for coffee and Christianity," said the Rev. Alan Dick, associate director of the house and manager of the cafe. "It isn't used as a means of proselytizing."

Dick, an event coordinator for Bread and Roses before coming to work at the Ec House in September, plans to hold a variety of performances in the cafe this semester, including poetry readings, solo guitar

and piano recitals and theater presentations.

Mathematics major Mahmoud Kamali, comes to the cafe to study or read the newspaper between classes.

"I like the atmosphere. You can come here to drink good coffee, chat and relax," he said. "It is culturally heterogeneous, as well. If you sit here for a couple of hours, you'll hear three or four different languages spoken. There isn't any other place on campus like it — the Student Union is repelling to me."

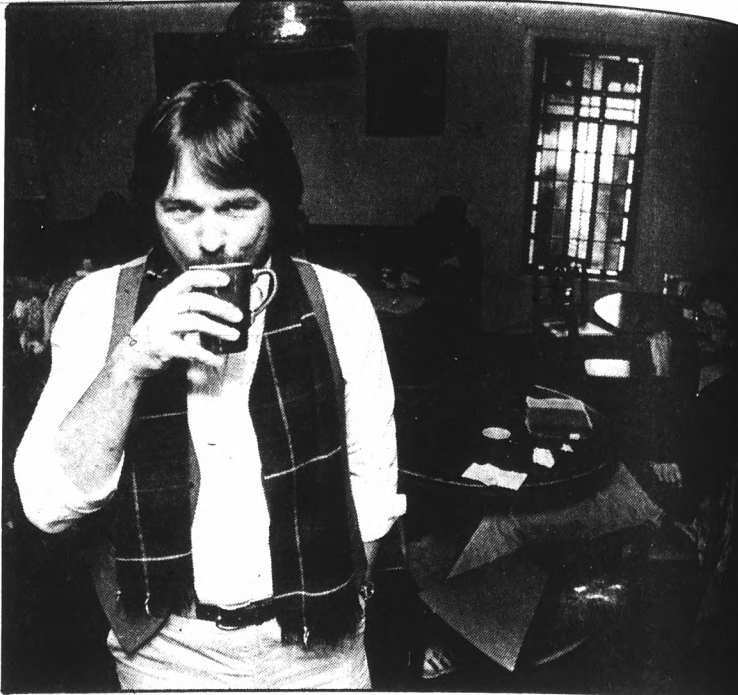
The Ec House's place in SF State's volatile history is documented by the front page of a December 1968 issue of the Daily Gater hanging on the cafe's wall. The Gater issue describes the tactical squad of the SFPD surrounding and entering the Ec House in search of a suspect in a smoke bombing near the Administration Building.

There was some question as to the necessity of a search warrant, based on whether or not the police were in "hot pursuit."

"It was hard to determine if the cops were in heat," commented the less-than-objective article.

The single drawback to the cafe is its scarcity of space: it seats only about 50 people. Yet, its limited space is part of what makes it special and gives its customers a sense of being part of an elite group.

"You can get into more intellectual conversations here," said English major Camille Hoffman. She said she spends a couple of hours a day at the cafe and likes the soft lighting, the carpeted floor,



The Rev. Alan Dick vows Ec House coffee is heavensest.

jazz on the radio and the overall friendly feeling.

Because it is so near the Humanities building, the cafe attracts a preponderance of English and foreign language majors and faculty members. The French and German clubs meet there regularly for kaffeeklatsches.

While the cafe caters to physical appetites, the house next door attempts to nourish the spirit. It is the headquarters for the Campaign for Nuclear Disarmament, Amnesty International and the Friendship Fam-

ilies Program, which arranges for dormitory students to stay in the homes of local families during the Christmas and Easter breaks when the dorms are closed.

The organization also sponsors politically and socially related study groups. Its ministers offer personal, vocational and marriage counseling.

The allure of the Ec House seems to stem from its physical separation from campus. "I can't study in the library," said Conrad Stevenson, an engineering student who cracks his books often at the cafe. "There's too much tension in the air."

EOP

Continued from Page 1

independently to come up with ideas, he said. "Nothing formally has taken place here yet."

Ratliff said apprehension is a major reason for Hayward's sluggishness on this issue. "If this is not handled properly, it could consolidate the affirmative action programs in the CSU system right out of existence."

One reason for such apprehensions may lie in the way funding for these programs could change. Alternatives proposed by the Chancellor to present funding methods include competitive grant bids, where programs would vie for funds.

Under this scheme, money would be doled out by the "success rec-

ords" of programs, not by student need or the number of students enrolled in the program.

The problem with this kind of funding, said SF State EOP Director Rod Santos, is that a program whose funding is slashed stands little chance of turning their program around. Santos' program would stand to lose money if a competitive bid program was installed.

SF State's EOP now has the sixth largest budget in the state, almost \$1 million. It also has the lowest success rate in the state, with only 5 percent of its seniors graduating. Said Santos, "We'll be on the bottom of the list for funding."

"I hope the plan we will probably come up with will strengthen the EOP," he said, adding that he

hopes to come out of the restructuring with more money, not less. Even if services are "collapsed" under the final program and such services as tutoring and counseling are cut, Santos said, the program will survive.

The EOP is mandated by state administrative code. "That's the law, and nobody and their mother is going to change that," he said. "You'd have civil rights people on your ass. That is the lock and key

the EOP has throughout the system."

Gene Royale, Affirmative Action Director, said he doesn't fear the competitive bid system because his program already competes for funds allotted by the state legislature.

Royale said he prefers the term "coordination" to consolidation. "If we collaborate, and combine, we coordinate services, I can only see this for the better. If it leads to

competition for funding, turf, or whatever, I would certainly change my opinion.

Disabled Services Coordinator Cynthia Kolb was the only program manager who expressed no fears about the restructuring. "I'm hoping it will reinforce how some of the different units work together," she said.

Kolb said she had no fears because she has confidence in the people she is working with on the com-

mittee. Kolb said the money allocated to Disabled Services has increased in proportion to enrollment.

"Everybody needs more funds," she said. "That's an assumption working with these programs."

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Peace

Continued from Page 7.

Snyder doesn't believe that attempt to "instruct" trainees about communism will affect the "essential nature" of the Peace Corps.

"A lot of policy changes come out of Washington," she said, "but the changes rarely filter down to the volunteers. It is not the military; you don't have to take a vow of opposing communism. No matter who is in power, the nature of the organization remains the same. I think it is an effective, valid organization." Trainees are well-prepared for what they will find when they get to their country. A handout printed by the Corps is unabashed about the hardships likely to be faced: isolation, constant scrutiny by the new community, homesickness, strange food, less-than-sanitary living conditions, culture shock and frustration.

Leech, a graduate of UC San Diego, served as a Peace Corps volunteer in Afghanistan from 1977 to 1979.

"I had no doubts about becoming a volunteer," Leech said. "It was something I had wanted to do for a long time. I love other cultures. My volunteer time helped me develop confidence and maturity. I know I can handle all sorts of situations."

The impact of her two years as a volunteer, and of additional time spent as a United Nations volunteer in Somalia, is obvious. Stories, both funny and sad, are integrated into the conversation of the slight, sandy-haired Leech. She described how women in Afghanistan would come up and feel her hair, so different from their own. In Somalia, the people would urge her to eat while they themselves were starving.

"You're too thin," they would say. They love heavy women," Leech said, laughing.

Hooper said he hopes his upcoming stint in the Corps will advance his career in education. "I think it's going to be the best thing I've ever done."

"The real value of the Peace Corps is that you learn about yourself. If you look at the profile of a Peace Corps volunteer, I think you would find they're very successful people. They've gained confidence and learned they can make decisions."

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S.F. Examiner

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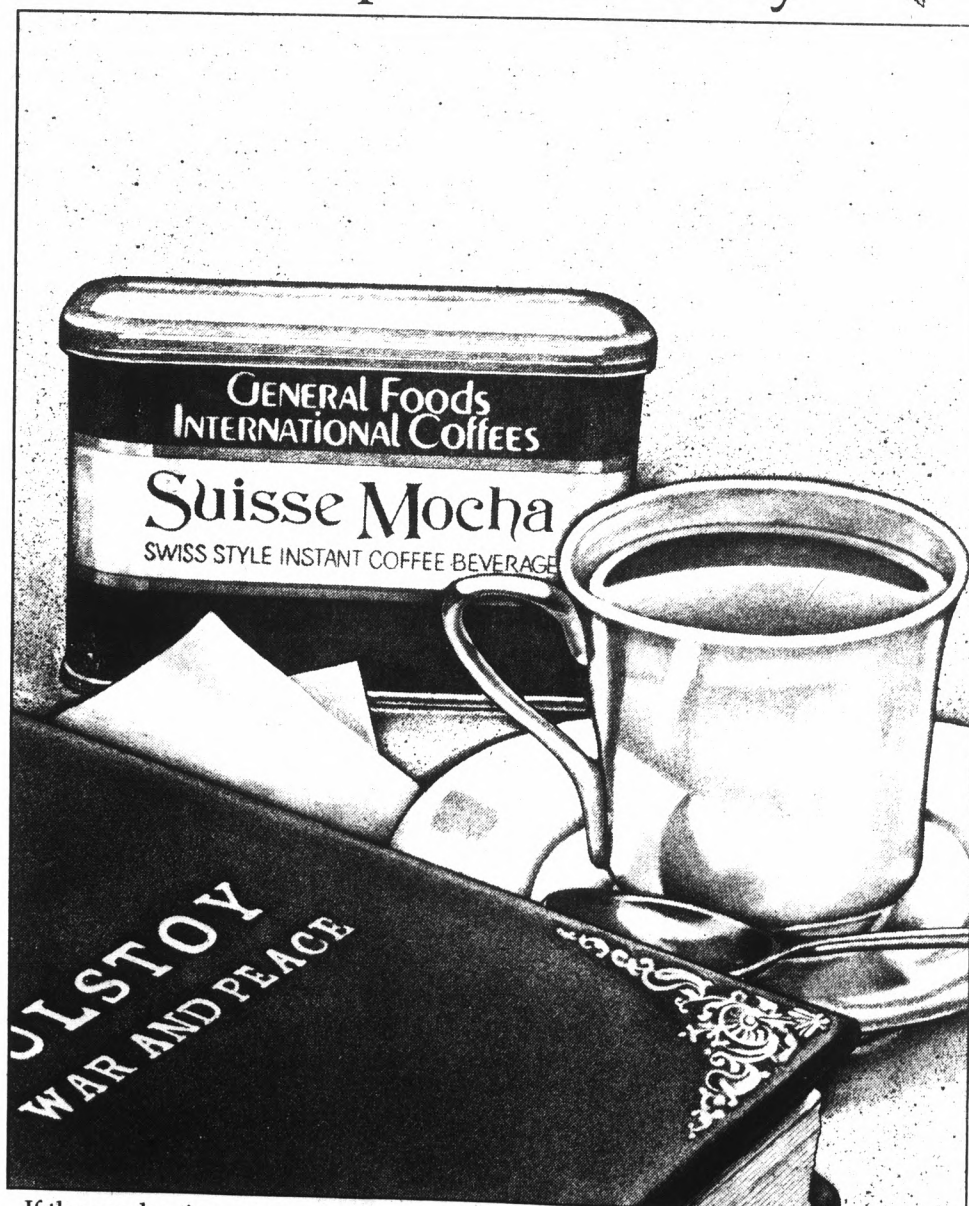
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Arts

Jain rejects homogenized image

By Diana Moore

Black leather, heavy makeup, dog collars and raspy voices — the stereotype of a female rocker. Jain, an all-female band based in Sonoma County, follows trends — black clothes and stagey makeup — but on top of those rocker bodies are girlish, fresh faces.

"We're really just clean-cut

girls," said band manager Gretchen Shubeck.

Jain, which will play at the Depot in the Student Union on Feb. 14, 5 p.m., is lead singer Rain Equine, bassist Kirsten Denner, drummer Claudia Page and keyboardist Bonnie Kirkpatrick. Last Saturday the women sat in Enrico's, on Broadway at Columbus Avenue, and discussed being a young all-

female band in the Bay Area.

Broadway is a street the four women, ages 21 to 22, have come to know well. Though Jain has been together only one year, they now play one Broadway club every week. The clubs, as well as dances and college concerts provide the total income for the band and its manager. "Nothing gets more time than our music," said singer Equine. "Except maybe boyfriends."

Though Jain just celebrated its official first anniversary on Feb. 7, its individual members have known each other since they attended the Mendocino Community School. The school, an alternative to the city's regular high school, allowed students to work at their own pace and on special projects such as a recording studio, where Shubeck said each woman was able to get hands-on experience.

The members of Jain refuse to categorize their music. Kirkpatrick, a veteran of other Bay Area bands, favors progressive, keyboard-oriented music; Equine was brought up in Arkansas and leans toward country music; Denner has a heavy hard core rock and punk influence; and Page likes rock 'n' roll. They now perform only original material, some written individually, some collaboratively.

The band credits its success to an ability to adapt to different audiences. But Denner, easily the most outspoken of the group, qualifies the statement.

"I don't feel I've ever compromised," she said. "And we've never been booed off a stage." There is mumbling within the group. "Well, there was the prom."

"People were disappointed."

"They just looked at us."

"It was the only time they've been rejected," Shubeck said of the band.

"But it was good for us," put in Kirkpatrick.

"Like Cheerios," laughed Equine.

This positive attitude seems to keep the members of Jain going. They claimed to be in a "bah humbug" mood because of the cancellation of a recording session, but were planning to take promotional pictures the same day.

The women describe the band as "a perfect excuse for us to be together." They share a large house in Sonoma County, and each woman has a separate duty outside of music. Denner does posters, for instance, and Shubeck does makeup. It was Denner who gave the group its name.

"It's from Dick and Jane — the old reading books," she said. The alternate spelling resulted when the women found out there was already a German band called Jane.

Female bands were brought into acceptance by the GoGos, a group that Jain acknowledges, but doesn't respect.

"The GoGo's started out overweight, with ratted hair," said Shubeck. "Just one of L.A.'s punk bands. Somebody wrote material for them, organized them. Now they do homogenized music."

"All-female bands are trying to over-compensate. They come off masculine or they're T and A."

Kirkpatrick adds, "Some people feel we're holding our sexuality back on stage."

Jain members agree on one goal: to develop a following. Besides that, the women differ in opinion. Equine said members would be happy if they could open for a major band by next year. Denner took a harder line. "Watch for us," she said. "By 1985, you'll be hearing from us."



By Ernest Senze

The Jain rockers — together since high school.

Experimental play satirizes sex roles

By Tibby Speer

There's something strange about the woman who sells hats at Macy's. Oh, she may seem normal enough. She might even sell you a decent hat. But — what is she thinking about as she dusts her hat counter and stares at the mannequins across the aisle?

If her upcoming SF State Showcase production entitled "No Time to be a Woman" is any indication, 29-year-old Barbara Brewer is thinking about crazed robot Barbie dolls — perfect women, according to Brewer because they have no sex organs.

Regular Showcase fans will not be surprised at the experimental nature of this play. It follows a long line of avant-garde student-written, student-produced Showcase pieces.

"Oh, you watch TV, and these are the ideas you get," says Brewer nonchalantly, sliding into a chair in the dressing room in the Creative Arts building.

"My play is really about the annihilation of women," she adds calmly, tugging at the buttons on her long, purple coat.

The annihilation of women? Gee, this doesn't sound like a very happy play, does it?

"It's just a satirical piece," laughs Brewer, who has finally struggled out of her coat, revealing

a purple dress and purple stockings. The woman is into purple.

"In the play, the annihilation starts with the '60s Unisex movement caused by a B vitamin destroyed in the process of making Wonderbread. Then the FDA has to sterilize all women because they ate birth control pills and will pass genetic defects to their offspring."

"Finally, the last woman is seen in the San Diego Zoo and she dies, and that's it." Brewer's smile never leaves her face throughout the explanation, reflecting back eerily from the two sets of mirrors surrounding her.

Brewer says she wrote the play in 1980 while "working change" at Lake Tahoe. "Working change" means wandering around a gambling hall making change for people who want to play the slot machines.

"No Time..." almost never saw the light of day.

"I thought the play was really holding me back," she explains. "I'd lived, breathed — everything was this. I thought maybe I'd go get into the mainstream of society or something."

"But I really wanted to get across the idea that femininity is being programmed out of society, and how a lot of male writers and directors have put women into little boxes on



By Mary Angelo

Barbara Brewer, playwright

stage and made them into non-women images," she said.

Brewer's previous theater experience came from studying acting at

the College of Dupage near Chicago and from working with a mime troupe in Maine, but not "classical, garbage mime," she points out quickly.

When Brewer returned to her native San Francisco in 1981, she sold more than a few Macy's goods before coming to the Theater Arts Department at SF State. On her own time, she worked with Red Flag Theater, a local Communist troupe.

As she pulls out the script, she explains the play includes a 15-minute film, slides and pieces that "fit together like Saturday Night Live without being heaviness."

Is this something she would write today?

"Oh no," she says happily. "Now I would satire a specific situation, not all of society."

"Maybe something about how everyone is looking for the private moment. How we all run around, we go to movies, we watch TV, we're so voyeuristic, and we want to see something new, different and private."

She pauses, thinking of how to explain her other idea.

"Every little thing that we do is caused by a million different images," she says finally. "If I could explain that in a play, it would be great."

A midnight performance worth staying up for

By Michael Taslitz

If you're a late-night person with a taste for out-of-the-ordinary theater, "Balm in Gilead" may be your style. Even if you're not a late-night person, the Lanford Wilson play is worth staying up for.

"Balm" is an off-beat play about the off-beat people who populate a sleazy, all-night coffee shop. The characters are people with no place to go and nothing to do, whose only comfort in life is the stability of the coffee shop and the other people who hang out there.

The non-stop activity of the 21-member cast is at first overwhelming. Unsure exactly who to watch or which conversation to listen to, the audience's attention tends to ramble across the stage, taking in a little of this, a little of that from the smorgasbord of action.

Slowly, each character emerges.



Actress Sharon Rossner

One is a supercool pusher who stands around the cigarette machine wearing sunglasses. Another is a prostitute on a coffee-break between jobs. A '60s acid head spends most of his time feeding dimes into a pay phone without reaching anyone on the other end. Among the menagerie of characters is an ef-

feminent dancer wearing a "Chorus Line" t-shirt, a drunk lesbian, a heroin addict, a punked-out skateboarder who seems to have fallen on the pavement once too often.

The play has no formal plot. The audience comes to realize as the play progresses that some time goes by but nothing really changes and no great conflict rises to the surface. "Balm" simply chronicles a group of people drawn together out of necessity. The coffee shop where they gather is not the only place open, but it is the only place where the characters can talk to other people. Binding them together is an underlying fear of loneliness and solitude.

To help the audience find its way through all of this, Wilson wrote in two rag-garbed females who act as interpreters. One wears multi-colored face make-up and spends a good part of the show setting fire to a Barbie doll hanging around her neck. Because of this and other des-

tructive behavior, the interpreters are barred from the coffee shop.

From their outsider's perspective, the coffee shop is just one big bug house, the patrons nothing but cockroaches who spend their time crawling around the same old place without accomplishing anything.

None of the actors or actresses in "Balm" are paid for acting. Some hold jobs that keep them until 11:30 p.m. on show nights. But everyone enjoys doing the play and performing with each other.

"It's been wonderful," said Nancy Waynes, a drama student from SF State. The ensemble members mesh together, anticipating each new line. The play's late performance time further assures an audience that will understand this coarse social satire.

"Balm in Gilead" plays at Valencia Rose Cafe, 766 Valencia St., Fridays and Saturdays at midnight. By popular demand, it has been extended through February.

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Sports

Rivalry heats up

By Deidre Harrison

The women's basketball team wrapped up its weekend games against Humboldt and Chico as neatly as Trina Easley can put a ball through the hoop. The Gators defeated Humboldt 79-34 and Chico 79-63 to battle their way out of a three-way tie, securing first place in the Northern California Athletic Conference. Chico, 6-3 in conference play, and Sacramento, also 6-3, have fallen behind SF State to a third place tie. UC Davis, 7-2, is tied with SF State for first.

The Gators have five league games left in the season, including UC Davis. Tomorrow, the team will meet Hayward, 3-6, in the Gator gym at 6 p.m. Earlier this season the Gators maintained their perfect record against Hayward with a 65-48 win.

"Hayward really wants to beat us," said Gator coach Emily Manwaring. "A few of their girls are from Oakland and some of our girls are too. Kim Washington went to Hayward High School. There is a little bit of rivalry there."

Despite Hayward's less-than-glamorous record, the team has some formidable players. Kathy Haplin averages 16 points per game, second in the league only to SF State's Easley's 19-point average. Lori Lemke of Hayward is 15th in the league in individual scoring, averaging 10 points per game, as well as fourth in the league in steals and fifth in rebounds.

The Gators will soon come up against Sonoma, a team they defeated earlier 89-76. After Sonoma, the Gators meet UC Davis, who got away earlier this season by only one point in overtime, 55-54. Stanislaus and Sacramento, both already beaten by the Gators this season, will be the team's last two opponents.

"We've won four games in a row," said Manwaring. "It's our longest winning streak this season. If we continue to play this intelligently and this intensely, there is no reason why we shouldn't win the rest of our games."

The Gators, going for their fourth straight division title, had no trouble against Humboldt last weekend. The Gators led at halftime 32-9. Easley scored 22 total points. Anna Harvey had 16 points and Sabrina Drew was the top rebounder with 11 points.

Chico gave the Gators more trouble — earlier match-up between the teams resulted in a 60-59 loss for the Gators. Manwaring credits last weekend's victory to two things: "We watched a videotape of the last game and saw they played a 1-3-1 offense. We worked really hard on a 1-3-1 zone defense and it paid off. They also watched a videotape of the game and they were prepared for our unusual offensive pattern. But we ran a brand new offense. I

think that really threw them off."

The Gators got off to an early lead against the Chico Wildcats and never let them catch up. At the half, the Gators were up 33-23. With three minutes left in the game, the Gators led 72-53. The contest ended 79-63. Drew had an exceptionally good night with four blocked shots. Easley had 29 points, Anna Harvey and Elaine Williams had 11 points each.

Manwaring refers to her team as "the least liked in the league. Nobody likes a winner." Last week's NCAC statistics show Easley's 19-point average leading the league. She also leads in rebounding with 11 per game. Harvey was eighth in the league with 14 points and Hightower averaged nine points per game. Drew led the league in blocked shots at 3.3 per game. Another Gator, Kim Washington, was second in the league in assists and eighth in steals.

With that kind of strength, Manwaring is confident the Gators have a shot at knocking UC Davis from the top of the league.

"I know we can beat them in our own gym. Their confidence must be enormous, but they only beat us the first time by one. I'm hoping someone like Sac (Sacramento State) will knock them down before we meet them, but we'll do it."

But Davis is not the only team the Gators have to worry about.

"Everywhere we go, they've got the knives out," said Manwaring.

Sidelines

Baseball: After a 4-1 victory over Northridge Friday, the team lost both games of a double-header against Northridge on Saturday, 8-1 and 3-2. Sunday, the Gators lost to Cal State Los Angeles, 4-3. The games were played at Northridge.

"They thoroughly outplayed us there," said Head Coach Greg Warzecka. "The smog in L.A. was terrible. I had to pull a couple of guys from the game because they couldn't breathe."

Warzecka praised the efforts of the pitching squad and catcher Tom Wetzel's performance. "He has yet to give up a stolen base."

The Gators met UC Berkeley yesterday on the Bear's home field.

Tomorrow the Gators will meet Sonoma State in Rohnert Park at 2 p.m. Saturday, the Gators will be at home for a double-header against Sonoma, starting at noon. Wednesday, SF State will host USF, 2 p.m.

Gymnastics: The SF State gymnastics invitational meet last Saturday was won by Seattle Pacific of Washington, with Sacramento State in second place.

"We did very poorly," said Dan Hoff, SF State's gymnastics team coach. The Gators will travel to San Luis Obispo Saturday.

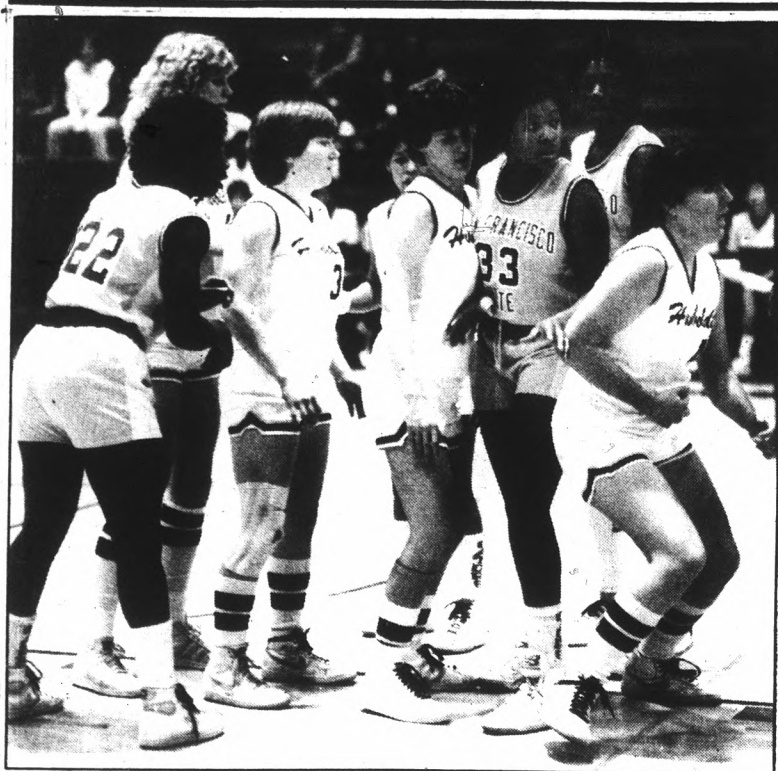
Softball: Diane Kalliam, women's softball coach, has been elected to the Amateur Softball Association of America's Hall of Fame. She will be inducted this summer in Oklahoma City.

The softball season begins Feb. 22 against Chabot Junior College.

Wrestling: The Gator grapplers came out on top against Chico last Friday, 22-15. The Northern California Athletic Conference Championship will be Saturday at Chico.

Other Gator Notes:

The Phoenix incorrectly reported the Jan. 27 match-up between the men's basketball team and Stanislaus as a Gator loss. The score was 92-78, a Gator victory.



Elaine Williams (33) amid a flock of Humboldt players.

Gator goes for it

By Ingrid Becker

They call her Insane Elaine. An aggressive player, third year forward Elaine Williams has the skill and experience needed to lead the women's basketball team to the top. "Elaine goes to the hoop on offense a lot," said assistant coach Jo Anne Bly.

As the second leading rebounder on the team, averaging 5.5 per game, and a leading scorer with an 8.5 point average, Williams is a versatile player with a unique ambidextrous shooting style. At 5'8", she has an advantage in the guard position, said head coach Emily Manwaring.

Williams, 20, said her desire to win motivates her to play hard. "Winning is very important. You only do things because you want to succeed. I've always been part of a winning team," she said, referring to her experiences on Oakland's Bishop O'Dowd high school basketball team.

Williams wants the team to win the Northern California Athletic Conference for a fourth consecutive year and to be in a top position at the regionals again this season.

Manwaring said those goals are very realistic. "We are in a good position and could quite possibly win the conference again," she said.

Good-humored, with a ready smile, Williams spoke positively about the team and coaches. "The two coaches are very dedicated. They help you to mature with the game."

She said the team has "a funny emotional level, and sometimes it lacks spirit." She also said she notices the team does not recognize its own talent and potential.

Although highly motivated herself, Williams said the team is bothered by the poor attendance at home games. "When there is no crowd, we have to pull within ourselves to play a little harder and it's hard to motivate yourself at a high level."

Her dedication to the game was shown earlier in the season against the University of Hawaii. Although she fell and tore ligaments in her right hand, she continued to play, scoring 18 points.

Williams tapes the injured hand and still plays. It hurts her ability to dribble, but she will continue to be a starting player, said Manwaring.

Although she has played different sports, including volleyball and softball, Williams is seriously addicted to basketball. It began in the 8th grade. "I started to eat, drink and sleep basketball," she said.

Both on and off the court Williams works hard. A Verducci Hall resident, she supports herself by working, sometimes 20 hours a week, at the Department of Public Safety. Because she works most weekends, she said she doesn't go home to Oakland much during the semester. However, her family, which she describes as "sports oriented," comes to many of the home games.

A high-energy person, Williams likes to have a good time. Near the end of a long practice, she jokes with her teammates, good-naturedly mocking their demonstrations of new Afro-Haitian dance steps.

"Elaine is a talker," said Manwaring. "I've never seen her at a loss for words." Williams' jaws are in constant motion even during games. She says she is never without bubblegum.

During a game's critical moments, when the clock is quickly running out, her voice can be clearly heard as she shouts directions from the sidelines to her teammates, often leaping off the bench in excitement.

Basketball, which takes up 20 to 30 hours a week, interferes with studying, she said. "Sometimes I am just too tired."

A computer science major, Williams hopes to work with computers after she graduates in two years. "I like the challenge and I am a hands-on-type person," she said.

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ORIGINAL DEFECTIVE

Swim teams' new attitude keeps them a stroke ahead

Orlando Velez

Eight years is a long time to go without a win.

The men's swimming team ended its drought last November when it beat Hayward State. But that isn't the only reason coach Bob Madrigal is proud.

"It has been an honor to coach them because they are all so dedicated," said Madrigal.

Madrigal, coach of the women's team for six seasons, is heading the men's team for the first full season this year. What he said most impresses him is the teams' confidence about winning, especially the men.

"In the past, the men have always thought of themselves as being very poor competitors," he said. "Now their attitude is, 'Hey, we can win. We do have a chance to be competitive.'"

Madrigal cites the Jan. 31 meet with Hayward State as an example of this new found attitude.

Halfway into the meet, the team trailed Hayward by 29 points. Rather than give up and accept what seemed an inevitable defeat, the team "worked like crazy," Madrigal said, and won 59-52.

At the beginning of the season, Madrigal decided the best way to coach the men's and women's teams was to consolidate their workouts.

He put men and women with similar times and comparable strokes into one lane. This new workout strategy has already spawned benefits, Madrigal said.

"What has happened is that the teams have really become a unit." He said, "In so doing, they each encourage one another to swim well."

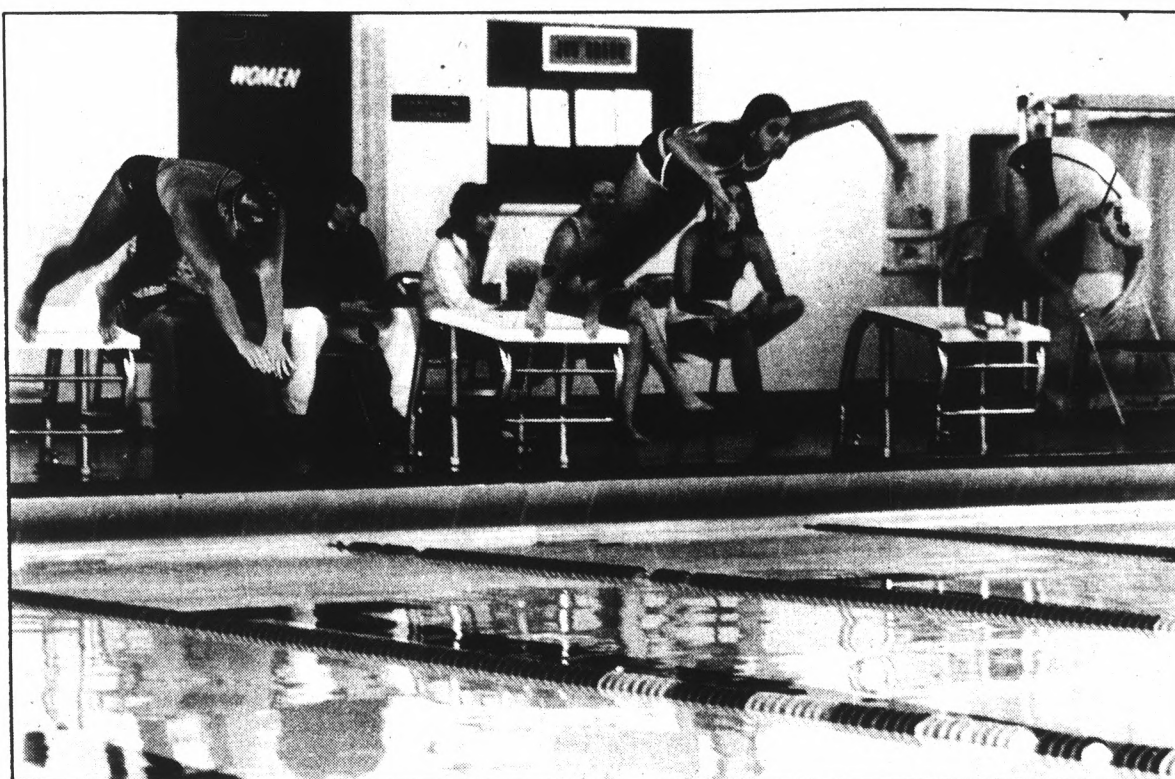
During the semester break, the teams worked out two hours in the morning and two hours in the afternoon, each member swimming an average of 25 to 30 miles a week, the equivalent of about 2,000 laps.

The teams also work out on dry land, following a "bio-kinetic exercise circuit."

The program involves the use of three computerized swim benches, new this season. A person lies down on a bench, puts his hands in straps and simulates the movements of swimming. The harder a person pulls on the straps, the more tension he receives from them. A readout is given of the kilopounds of force exerted by the swimmer. Madrigal said both teams have been working hard on the benches.

The coach also believes his recruitment of many good swimmers this season has enhanced the quality of the teams.

One newcomer, junior Doug Roth, the Gator men's captain,



By Dan Ecoff

SF State swimmer Denise LaFontaine (middle) has an early lead on her Humboldt opponents.

broke SF State records for the 100- and 200-yard breaststroke and, with the collaboration of Dan Heaney, Eric Weiss and Charles Brabec, the 400-yard medley relay.

Heaney set the record for the 100- and 200-yard backstroke and the 200- and 400-yard individual medley. Luis Brandi, a freshman, is another promising recruit, Madrigal

said.

Some of both teams' stars are graduating this year. Senior Mary-Eileen O'Sullivan, the Gator women's captain, broke SF State

records for the 1000-yard freestyle and, along with Bebe Byrns-Mees, Leslie Hiram (also graduating this year) and Amy Hamel, the 200-yard medley relay. Hamel set the record for the 100-yard backstroke.

Two other graduating seniors are Jeff Farrell and Denise LaFontaine.

On Feb. 16, 17 and 18, the Northern California Athletic Conference championship meet will be held at SF State. Madrigal said the men's team, now in fourth place, has a good chance of coming away with third place, but not without competition.

"It will be real competitive between Sacramento and us," Madrigal said. "But we have a shot." Hayward State is also a contender, he said.

The women's team, now 7-3, will vie for second place at the championships, competing for that slot with Chico State, said Madrigal. UC Davis has the first place slot secured.

The Division II National championships will be held in New York during the first week in March.

"Anybody who hates dogs and loves whiskey can't be all bad."

— W. C. Fields

Cager home after all these years

By Louis Filson

Tony Welch is taking a page out of Billy Martin's book. Like the former New York Yankees manager, Welch has a problem when it comes to settling down.

Now in his fourth season of college basketball, Welch is with his fourth team — the Gators — and with the coach who tried to recruit him out of Sacred Heart High School in San Francisco. In between, the 6-foot-3-inch senior has made stops — or appearances — at St. Mary's, De Anza junior college and Eastern Montana.

While he may be tired of relocating, Welch claims the nomadic

experience has been beneficial.

"You get a lot of experience when you play for a lot of different teams," said the soft-spoken Welch. "You can learn about the ways different teams feel and the difference in philosophies."

Gator coach Kevin Wilson, who bided with Irvine for Welch's services after his high school graduation in 1979, is glad to finally have the forward, even if it is only for one season.

"He does a lot of things for the team," said Wilson. "He gets a lot of boards and he takes good shots. It's a shame I won't have him longer."

After playing the 1980 season with Irvine, the school brought in a new coach who, in Welch's words, "didn't want to keep me." From there it was a season at De Anza and a half season at Eastern Montana, where Welch claims he grew homesick.

"Those winters they had were 30 or 40 below," said Welch. "After playing in California I just wasn't used to that, so I came home mid-way through."

He accepted Wilson's offer last year to play for the Gators. But in the process, he had to sit out the entire 82-83 season.

"I really appreciate getting another chance to play out here," said Welch. Coach Wilson has helped him a great deal. He has renewed some things that have slipped from his mind.

Of Welch, Wilson said, "He's just a great kid to coach. Sometimes I think he's too nice because he never gets upset. In practice I will tell him 'Tony, I wish you'd get mad

once in a while.'"

One time the senior could have got angry was Saturday night, when the Gators dropped an 84-76 decision to league-leading Chico State. By his own admission, Welch didn't have one of his better games, going 3-10 from the floor with four free throws for 10 points, along with five rebounds. Foul trouble in the first half limited some of his playing time.

"I was very disappointed about the Chico game," said Welch. "We came out ready but things just didn't fall."

The same cannot be said of Chico, as the Wildcats shot 57 percent from the field. For Welch, the game featured a dose of inside contact, especially with Chico center Jeff Carter, who fouled out last in the second half.

Making good on Wilson's statements, Welch never argued one foul against him, even though two were questionable. In fact, the most the referees could get from the senior was a slight smile of disbelief after each call.

While Welch may not have a debator's tongue, he does have raw physical ability. With under 10 minutes left to play in the game, Saturday night took a pass at his own baseline, dribbled once and slammed home a dunk over a defender that would have made Dr. J. proud. Just ask the 1,827 Gator fans who went through the ceiling.

"Tony has a well built body and good leaping ability," said Wilson. "He is the team's second leading rebounder."

At 201 pounds, Welch doesn't picture himself as a dominant inside

player.

"Three years ago I would have said I was a physical player," said Welch. "Not anymore."

Why not?

"I guess it comes around to losing some of your desire," he said. "After four teams, I just don't get up the way I used to."

Then again, every once in a while he breaks out. Against Santa Clara, he had 26 points and nine rebounds in a losing cause.

In addition to playing basketball here, Welch hopes to wrap up his bachelor of science in computer science by the end of this term. After that he is considering playing basketball in Europe, where he has had a couple of offers.

"After all," he said with the same slight smile he uses on referees, "What's one more place after everywhere I've been?"

Billy Martin couldn't have put it better.

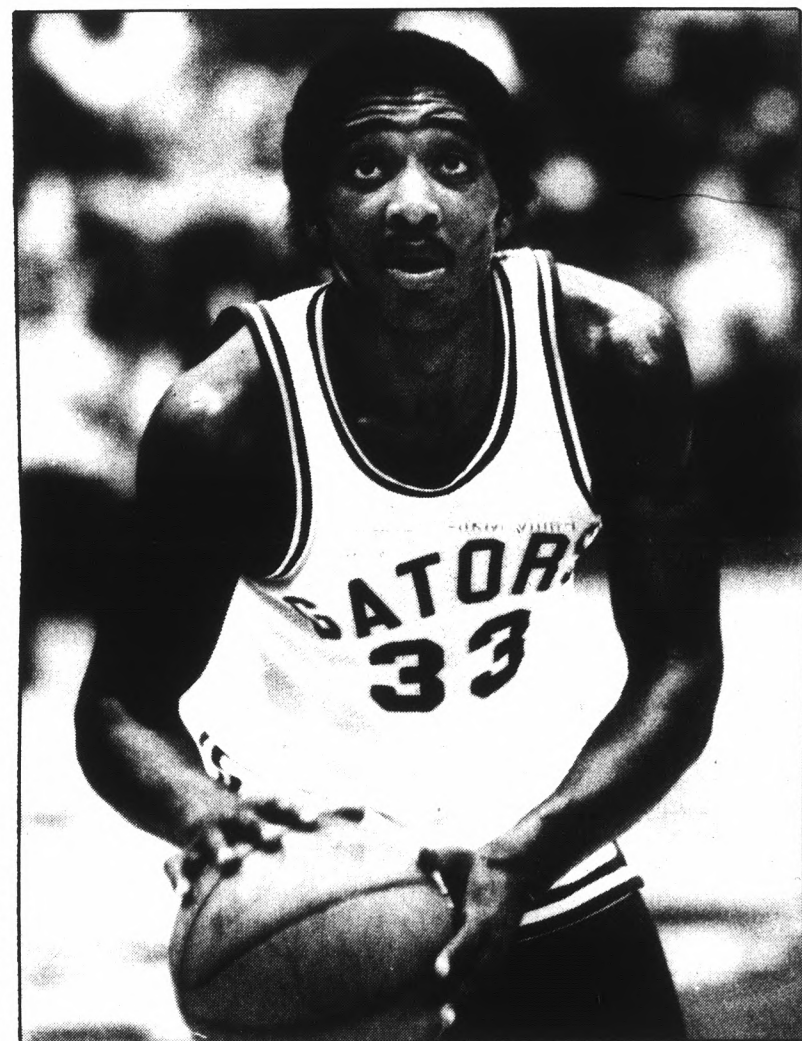
Gator Notes — The SF State men's team snapped up a victory over Humboldt last Friday, 69-64. Andre Sparks scored a total of 18 points; Tony Welch came up with 17. Patrick Sandle was credited with six assists; Everett Johnson snatched up seven rebounds.

The Gators will meet Hayward in their gym tomorrow. SF State scored a 73-55 victory against Hayward earlier in the season.



By Russell Yip

'smile of disbelief.'



By Russell Yip

Tony Welch concentrates on sinking one from the freethrow line where his average is 77 percent.

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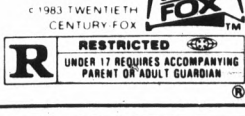
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Backwords

Romberg Center offers a 'natural' classroom

By Gordon Sullivan

The address of the Paul F. Romberg Tiburon Center for Environmental Studies is a fitting one: 3150 Paradise Dr.

Located 20 miles north of SF State, the research and educational extension is set amid steeply rising hills covered with trees and vegetation. So attractive is the area that it comes as no surprise that classes are held here not only in biology, but in aesthetics as well.

The Center looks less like an ex-

"The whole structure is really built solidly. It will probably be there another 90 years."

If it does last another 90 years, there will continue to be little change in the landscape.

From 1877 to 1904, the area contained one of the largest cod fisheries on the West Coast. Fish were brought to the docks to be dried on outdoor racks.

In 1904, the fishery was replaced by the coaling station. Early in the century, ships of the Great White Fleet loaded coal there. But by the

tional facility. The Department agreed to sell 35 acres of the bay-shore property, valued at \$2 million, for \$1 — a legal formality. SF State President Paul Romberg, for whom the center is named, considers the acquisition a major accomplishment of his 10-year presidency.

Environmental Studies is a relatively new science. Ecological concerns that bother Americans today were never even considered 20 years ago, when the environment was mostly taken for granted.

But this field — and places like the Romberg Center — have taken on new importance in recent years as scientists and researchers try to moderate man's impact on the earth.

Just beyond the aqueduct-like structure is a building housing the offices and laboratories of the center, Building 36, it is called, but if there were ever 35 other buildings, they are not in evidence today.

On the inside, Building 36 looks like a factory. The ceiling is metal and rises three stories above the concrete floor. On the floor are empty oil drums, now functioning as trash bins. The upper walls contain many windows, giving the structure the appearance of an airplane hangar.

The center of the building holds something one would not expect to see in any factory: two boats, used to collect marine samples.

The Center's laboratory is on the first floor. It occupies several rooms and looks like the typical lab — tables with black tops, pipes with faucets labelled "gas" and "air" and brown bottles of methanol, ethanol and acetone.

Only one thing in the lab is a little out of the ordinary. A calendar made in Hingham, Mont., picturing American Indians, hangs on the wall. It belongs to Doug Spicher, 29, one of three SF State marine biology graduate students employed on research projects at the center.

Spicher grew up in Hingham. And although unlikely, it was in Montana that he first became interested in marine biology.

The first coast Spicher studied extensively was that of North Carolina, where he worked one summer. But just as historians have their favorite eras, and English majors their favorite authors, Spicher knew the coast he wanted to study and the East Coast wasn't it.

"I was used to the Pacific Coast and the Atlantic Coast is different," he said. "I like the rocky shore along the Pacific Coast. You don't find that in North Carolina."

Even so, Spicher may eventually return to the East since it has many of the marine habitats he is now studying.

"My research is in the area of wetlands ecology," he said. "What we do is study marshes in Marin County. We've picked out three different restored marshes and we're looking at them. It's a two-year study."

According to Spicher, restored marshes — areas once diked off and then flooded again — often

require special treatment.

"A lot of them were diked off many years ago and they dried out," he said. "They have sunk in so that when you break the dike and allow water in, they are too low for plants to grow. What you've got to do is place fill on top of the ground to raise the level, because at a certain depth plants won't grow. They're under water too much of the time."

According to Spicher, 90 percent of the areas that were marshes around San Francisco Bay before 1850 have been diked off. Now many of them are being restored and later studied.

"We study where in a restored marsh plants grow best, for example," he said. "Near a wide channel, or further into the interior of a marsh."

Answers to such questions are important in the restoration of marshes, which are recreation areas, as well as natural habitats for animals, including many Bay Area birds.

Spicher works in an office on the second floor. It looks like a student's office, with three kites hanging from the ceiling, two of them decorated with pictures of fish, the third bearing a picture of a penguin.

The room contains two desks. On the wall in front of one of them are several photographs, including one of a whale, a pencil drawing of two whales and a shark jaw bone.

The bone is from Mexico and belongs to William Pence, another of the graduate students working at the center as a researcher. Pence, 35, is returning to marine biology after 10 years of teaching the subject at the high school level in the San Ramon Valley.

"I needed some new material, as I



Laboratory samples of soil ingredients for experiments.

told my students," said Pence. "So I got a two-year leave and came here to rejuvenate my teaching."

Pence is involved in a different project, but like Spicher's, its practical applications are obvious. He is investigating the environmental impact of the proposed San Luis Drain.

"It's sort of the opposite of the Peripheral Canal," he said. "With the Peripheral Canal, they wanted to take good water from Sacramento and move it down south. The San Luis Drain is essentially to take drain water from the San Joaquin Valley and dump it into the Bay."

According to Pence, plans are to dump the water in the Bay because it has had detrimental effects inland.

"Over the last 18 years they've been dumping it into man-made reservoirs," he said. "It's got a lot of salt and also fertilizer in it and as it evaporates, that concentrates even further. The result is they're having tremendous duck mortality rates around some of these reservoirs."

As might be expected, there is some concern about possible effects of the drain water on the Bay, and Pence is studying one of them.

"They want to dump the water into the Bay by Antioch," he said. "So that involves a whole collage of environmental impact reports, one

of which Dr. Josselyn was awarded which is measuring the biostimulation of this drain water upon certain species of algae."

Pence is trying to determine whether the drain water will cause an explosion in algae growth. The answer is critical, because when large amounts of algae die, they can give off noxious fumes that can result in effects worse than a bad smell — they can peel paint off buildings.

Further, as algae break down in the water, it is possible that the levels will be upset.

"The bacteria that break down this algae are consuming oxygen," Pence said, "so it's possible they could lower the oxygen level in the Bay and cause the deaths of some fish."

As Pence talks amid photographs, scientific charts, instruments and books, he presents a picture that would no doubt amaze the original inhabitants of the area, the Miwok Indians.

Though the Miwoks probably appreciated their land, basic survival was of utmost importance. For Spicher and Pence, however, research in environmental studies is assuring the survival of man and his habitat.

Photos by Mary Angelo



A controlled environment room allows regulation of experiments.

tension of the campus than the site of the Miwok Indian village once located here. The Miwoks made their clothes from deer and rabbit skins and plants that grew in the area. They caught and ate fish from the Bay. Their close relationship with nature was summed up in their homes. According to anthropology professor Gary Paul, they probably lived in semi-subterranean dwellings — huts actually sunk into the earth.

The Center is located on Paradise Cove, near Tiburon. Looking over the water, one sees oil tanks on the far shore and to the north, the Richmond Bridge.

Turn around, look inward and there are buildings, including a long brown garage that contains a white truck, a car and a boat. Dominating the landscape is a concrete structure perhaps two stories high and 100 yards long that resembles an ancient Roman aqueduct.

"This area contained a coaling station prior to World War II," said Barbara Nabors, secretary to the center's director, Dr. Michael Josselyn. "Back then they used to run a little train on that thing. It carried coal."

1920s, most vessels had switched to oil and the station lost its importance.

In 1931, the Navy loaned the land to the state to be used for the California Nautical School, a training academy for merchant marines, later named the California Maritime Academy.

The Navy moved back just before World War II to set up the Tiburon Naval Net Depot, where steel anti-submarine nets were woven. One such net weighed 6,000 tons and stretched across the Golden Gate to protect San Francisco Bay from underwater intruders. Six-ton weights and giant metal buoys kept it in place.

During the Korean War, anti-submarine nets were also made there. But electronic surveillance equipment eventually made the nets obsolete. The depot closed in 1958.

In the 1960s, the site was home to the Tiburon Oceanographic Center marine research operation, which closed in 1971.

SF State applied to the (former) Department of Health, Education and Welfare in 1975 to obtain the land to build a research and educa-



SF State students Doug Spicher and William Pence are Environmental Studies scientists.



The Paul F. Romberg Tiburon Center for Environmental Studies.